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2 K PLASTISTONE® EP – Elasticised binding agent standard, coloured

Application areas:	→	As elasticised, solvent-free binding agent to be used for:
	→	Self-levelling top coatings on concrete, screed and asphalt, everywhere where there is an increased danger of cracking. According to layer thickness and filling with quartz sand or quartz flour, suitable for light, medium or heavy charges.
	→	As filled coating suitable for terraces, basement garages, balconies etc.
	→	Application areas are substrates with maximum residual moisture of 3%. In combination with EP-barrier coat as primer up to maximum residual moisture of 5%.
	→	As colourless glossy sealing, we recommend EP-sealing water-emulsified for thin layer versions (~ 0.10-0.12 kg/m ²) or EP- colour quartz sand binding agent as thick layer sealing (from 0.12-0.15kg/m ²).
	→	If a higher UV-resistance or scratch resistance is required, especially on visually appealing surfaces, we recommend the silk-mat 1 K or 2 K PU-sealing with 0.10-0.12 kg / m ² .
	→	Please mind the general advice in catalogue group 1!
Properties:	→	Solvent-free, modified 2 – component epoxy resin / hardener system
	→	The standard hardening version is recommended for temperatures > 15°C.
	→	By adding 6 % standard pigments or corresponding fillers, the binding agent can be dyed in 26 different colour shades.
	→	Good flexibility also with high filling
	→	Good UV-resistance, but colour alteration is possible
	→	According to filling, trafficable after ~ 48 h at 20 °C
GISCODE:	→	RE 1 (epoxy resin products, solvent-free)
CE Norm:	→	As per DIN EN13813: CE-label: EN 13813 SR-AR1-B4,3-IR8
Resistance:	→	See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	→	See catalogue group 1 General requirements to subsurface
Safety data sheets:	→	On our homepage, domain Shop Articles
Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Mixing time:	2-3 min. As per bundle size, re-pot and mix for another minute.	
Density :	1.12 kg / l	1.0 kg / l
Pot life at 20°C:	~ 40 minutes / 300 g preparation. Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 20 h, slightly chargeable after ~24h, trafficable after ~ 48 h Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 72 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Nearly colourless	
Cleaner for tools:	EP-thinner (if no initial curing has taken place)	
Crack bridging:	According to filling and layer thickness 0.1 mm to 0.5 mm	
Material consumption: as colourless sealing: min 0.15 kg – 0.200 kg / m ² with paint roller Attention!! Material consumption below 0.15 kg/m ² may cause an orange-peel texture or may lead to wetting disturbances on the surface!		

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2 K PLASTISTONE® EP - Elasticised binding agent standard, coloured

The following technical values have been achieved with binding agent comp. A+B. Mechanical values change on adding fillers. For this, you can relate to the values on the following pages – in 4K EP-Elastic sealing and 4K EP-Elastic self-levelling coatings 1-1.5mm/1.5-2mm/2.5-3mm. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Mechanical properties:		Test report no. P 3835-50 of Polymer Institute Flörsheim		
Shore D hardness DIN 53505:		~ 60 Shore D		
Adhesive tensile strength DIN EN 1542:		~ 4.3 N/mm ² 100% crack in concrete		
Abrasion resistance DIN EN ISO 5470-1:		(Taber) ~ 7 mg / 1000 U		
Bending tensile strength DIN EN 196-1:		~ 8.4 N/mm ² with 3.5% outer fibre strain no crack		
Compressive strength DIN EN 196-1		Compression stress, 10% strain ~ 31.3 N/mm ² sample not destroyed		
Tensile strength DIN EN ISO 527		~ 7.9 N/mm ² - ~ 20.3 %		
Impact resistance DIN EN ISO 6272		≤ 8 Nm		
Suggested formulations: For sealing ,1 mm, 2 mm or 3 mm self-levelling coating				
Components:	Sealing coloured	Layer thickness 1mm to 1.5mm	Layer thickness 1.5mm to 2 mm	Layer thickness 2.5 to 3 mm
Comp. A (resin)	8.00 kg	8.00 kg	8.00 kg	8.00 kg
Comp. B (resin)	4.00 kg	4.00 kg	4.00 kg	4.00 kg
Colour pigment:	0.72 kg-1.44 kg	0.72 kg	0.72 kg	0.72 kg
Filler sealing:	6 kg	-----	-----	-----
Filler 1.0-1.5mm	-----	12.00 kg	-----	-----
Filler 1.5-2.0mm	-----	-----	18.00 kg	-----
Filler 2.5-3.0mm	-----	-----	-----	25.0 kg
Total material consumption per m ²	2 coatings each 0.30 – 0.50 kg/m ²	~ 2.0-2.5 kg / m ² at 1.25 to 1.56mm	~ 2.50-3.20 kg/m ² at 1.50 to 2.0 mm	~ 4.50-5.40 kg / m ² at 2.50 to 3.0 mm
Material consumption with tools:	Rubber squeegee/ paint roller	Toothing no.20 Toothing no.23	Toothing no.23 Toothing no.25	Toothing no.25 Toothing no.78
Available bundle sizes 2 K EP-Elastic binding agent standard, colourless				
Art.-no:	Bundle content:	Bundle composition:		
04 11 01 0000-Y21	2.5 kg	Comp.A: 1.66 kg; Comp.B: 0.84 kg in 2 K bundle		
04 11 01 0000-Y22	5.0 kg	Comp.A: 3.33 kg; Comp.B: 1.67 kg in 2 K bundle		
04 11 01 0000-Y23	12.0 kg	Comp.A: 8.00 kg; Comp.B: 4.00 kg in 2 K bundle		
04 11 01 0000-Y24	24.0 kg	Comp.A: 16.00 kg; Comp.B: 8.00 kg		
04 11 01 0000-Y25	84.0 kg	Comp.A: 2 x 28 kg in 30 litre hobbock Comp.B: 1 x 28 kg in 30 litre hobbock		
04 11 01 0000-Y26	165.0 kg	Comp.A: 2 x 55 kg in 60 litre small barrel Comp.B: 1 x 55 kg in 60 litre small barrel		
04 11 01 0000-Y27	630.0 kg	Comp.A: 2 x 210 kg in 210 litre barrel Comp.B: 1 x 210 kg in 210 litre barrel		
04 11 01 0000-Y28	3000.0 kg	Comp.A: 2 x 1000 kg in 1000 litre single-use IBC Container Comp.B: 1 x 1000 kg in 1000 litre single-use IBC Container		

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2 K PLASTISTONE® EP - Elasticised binding agent rapid, colourless

Application areas:	→	As fast curing elasticised, solvent-free binding agent to be used for:
	→	Self-levelling top coatings on concrete, screed and asphalt, everywhere where there is an increased danger of cracking. According to layer thickness and filling with quartz sand or quartz flour, suitable for light, medium or heavy charges.
	→	As filled coating suitable for terraces, basement garages, balconies etc.
	→	Application areas are substrates with maximum residual moisture of 3%. In combination with EP-barrier coat as primer up to maximum residual moisture of 5%.
	→	As colourless glossy sealing, we recommend EP-sealing water-emulsified for thin layer versions (~ 0.10-0.12 kg/m ²) or EP- colour quartz sand binding agent as as thick layer sealing (from 0.12-0.15kg/m ²).
	→	If a higher UV-resistance or scratch resistance is required, especially on visually appealing surfaces, we recommend the silk-mat 1 K or 2 K PU-sealing with 0.10-0.12 kg / m ² .
	→	Please mind the general advice in catalogue group 1!
Properties:	→	Solvent-free, modified 2 – component epoxy resin / hardener system
	→	The fast curing version is recommended for temperatures < 25°C.
	→	By adding 6 % standard pigments or corresponding fillers, the binding agent can be dyed in 26 different colour shades.
	→	Good flexibility also with high filling
	→	Good UV-resistance, but colour alteration is possible
	→	According to filling, trafficable after ~ 24 h at 20 °C
GISCODE:	→	RE 1 (epoxy resin products, solvent-free)
CE Norm:	→	As per DIN EN13813: CE-label: EN 13813 SR-AR1-B4,2-IR16
Resistance:	→	See catalogue group 1 chemical resistance of coating surfaces
Resistance:	→	See catalogue group 1 chemical resistance of coating surfaces
Resistance:	→	See catalogue group 1 chemical resistance of coating surfaces
Product data:		Component A:
Viscosity at 23 °C:		~ 1150 mPas
Solids content:		100 %
Mix ratio PBW:		100 PBW
Mix ratio PBV:		89,3 PBV
Mixing time:		2-3 min. as per bundle size, re-pot and mix for another minute.
Density:		1.12 kg / l
Pot life at 20°C:		~ 20 minutes / 300 g rapid. Attention! Larger preparations or higher temperatures shorten pot life (processing time)
Curing time at 20°C:		Can be overlain after ~ 10 h, slightly chargeable after ~16 hours, trafficable after ~ 24 h Attention! Curing times are strongly influenced by subsurface and surrounding temperature. a curing time (at 20°C) of 48 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)
Shelf life:		~ 12 months at 15°C to 25°C storage temperature
Colour:		Nearly colourless
Cleaning of tools:		EP-thinner (if no initial curing has taken place)
Crack bridging:		According to filling and layer thickness 0.3 mm to 0.5 mm
Material consumption: as colourless sealing: min 0.15 kg – 0.200 kg / m ² with paint roller Attention!! Material consumption below 0.15 kg/m ² may cause an orange-peel texture or may lead to wetting disturbances on the surface!		

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2 K PLASTISTONE® EP - Elasticised binding agent rapid, colourless

The following technical values have been achieved with binding agent comp. A+B. Mechanical values change on adding fillers. For this, you can relate to the values on the following pages – in 4K EP-Elastic sealing and 4K EP-Elastic self-levelling coatings 1-1.5mm/1.5-2mm/2.5-3mm. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Mechanical properties:		Test report no. P 3835-52 of Polymer Institute Flörsheim		
Shore D hardness DIN 53505:		~ 53 Shore D		
Adhesive tensile strength DIN EN 1542:		~ 4.2 N/mm ² 100% crack in concrete		
Abrasion resistance DIN EN ISO 5470-1		(Taber) ~ 11 mg / 1000 U		
Bending tensile strength DIN EN 196-1:		~ 2.1 N/mm ² with 3.5% outer fibre strain no crack		
Compressive strength DIN EN 196-1		Compression stress, 10% strain ~ 11,2 N/mm ² sample not destroyed		
Tensile strength DIN EN ISO 527		~ 10.1 N/mm ² - ~ 16.7 %		
Impact resistance DIN EN ISO 6272		≤ 16 Nm		
Suggested formulations: For sealing ,1 mm, 2 mm or 3 mm self-levelling coating				
Components:	Sealing coloured	Layer thickness 1mm to 1.5mm	Layer thickness 1.5mm to 2 mm	Layer thickness 2.5 to 3 mm
Comp. A (resin)	8.00 kg	8.00 kg	8.00 kg	8.00 kg
Comp. B (resin)	4.00 kg	4.00 kg	4.00 kg	4.00 kg
Colour pigment:	0.72 kg-1.44 kg	0.72 kg	0.72 kg	0.72 kg
Filler sealing:	6 kg	-----	-----	-----
Filler 1.0-1.5mm	-----	12.00 kg	-----	-----
Filler 1.5-2.0mm	-----	-----	18.00 kg	-----
Filler 2.5-3.0mm	-----	-----	-----	25.0 kg
Total material consumption per m ²	2 coatings each 0.30 – 0.50 kg/m ²	~ 2.0-2.5 kg / m ² at 1.25 to 1.56mm	~ 2.50-3.20 kg/m ² at 1.50 to 2.0 mm	~ 4.50-5.40 kg / m ² at 2.50 to 3.0 mm
Material consumption with tools:	Rubber squeegee/ paint roller	Toothing no. 20 Toothing no. 23	Toothing no. 23 Toothing no. 25	Toothing no. 25 Toothing no. 78
Available bundle sizes 2 K EP-Elastic binding agent standard, colourless				
Art.-no:	Bundle content:	Bundle composition:		
04 11 02 0000-Y21	2.5 kg	Comp.A: 1.66 kg; Comp.B: 0.84 kg		in 2 K bundle
04 11 02 0000-Y22	5.0 kg	Comp.A: 3.33 kg; Comp.B: 1.67 kg		in 2 K bundle
04 11 02 0000-Y23	12.0 kg	Comp.A: 8.00 kg; Comp.B: 4.00 kg		in 2 K bundle
04 11 02 0000-Y24	24.0 kg	Comp.A: 16.00 kg; Comp.B: 8.00 kg		
04 11 02 0000-Y25	84.0 kg	Comp.A: 2 x 28 kg in 30 litre hobbock Comp.B: 1 x 28 kg in 30 litre hobbock		
04 11 02 0000-Y26	165.0 kg	Comp.A: 2 x 55 kg in 60 litre small barrel Comp.B: 1 x 55 kg in 60 litre small barrel		
04 11 02 0000-Y27	630.0 kg	Comp.A: 2 x 210 kg in 210 litre barrel Comp.B: 1 x 210 kg in 210 litre barrel		
04 11 02 0000-Y28	3000.0 kg	Comp.A: 2 x 1000 kg in 1000 litre single-use IBC Container Comp.B: 1 x 1000 kg in 1000 litre single-use IBC Container		

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4 K PLASTISTONE® EP - Elastic sealing standard, coloured

Application areas:	<ul style="list-style-type: none"> → Due to its good UV resistance, well suitable for outside sections like balconies, terraces and production halls, basement garages etc., its elastic properties are also an advantage on an increased danger of cracking. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → As coloured top sealing on concrete and screed floors and mineral subsoils, but also well suitable on asphalt floors. → Everywhere where there are already even substrates and the corresponding capacity or stability of the subsoil for the expected loads already exists. → On high mechanical concentrated loads, like with forklift traffic, an EP-Elastic self-levelling coating starting from 2 mm is to be preferred. → Or the sealing is being applied in several (3-4 minimum) layers with intermediate sanding on the entire surface. → On application in combination with anti-slip grit, you can achieve an increased slip-resistance. → For achieving an increased scratch resistance of the surface, we recommend – especially in visual areas like offices/entrance halls or the like - 1 K or 2 K PU-sealing colourless. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The standard curing version is only recommended at temperatures from > 15°C. → Solvent-free and thus low odour nuisance. → Good elasticity and good UV-resistance (outside surfaces only with full chipping) → By full-surface dispersal with colour chips of the elastic sealing and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → Available in 26 different standard colour shades → On light colour shades like RAL 1001/1002/1014/1021/9010, you should add the double amount of colour powder. (increase from 1 bag to two)
Safety data sheets:	<ul style="list-style-type: none"> → On our homepage, domain Shop Articles
Resistance:	<ul style="list-style-type: none"> → See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	<ul style="list-style-type: none"> → See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → On the first painting of dense concrete and screed floors, you can add up to 5 % max EP-thinner; the second paint should then be completed undiluted in order to achieve a good opacity. → For achieving an even grain, seamless rolling is necessary. Irregular application leads to streaking. → Processing with a rubber squeegee ensures a close impregnation of the subsoil which often replaces an additional leveling compound. Furthermore processing time is being prolonged. → Best results on a coloured paint are being achieved when using a 25 cm paint roller or on larger surfaces with a rubber squeegee. At the latest after 15 min. re-work without additional material with a 50 cm paint roller overlapping and seamless in one direction. → Attention! Manual mixing of components A and B is not possible as this would not result in sufficient curing.

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4 K PLASTISTONE® EP - Elastic sealing standard, coloured

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:			
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas			
Solids content:	100 %				
Mix ratio PBW:	100 PBW	50 PBW			
Mix ratio PBV:	89.3 PBV	50 PBV			
Filler addition on comp. A and comp. B:	6 % colour pigment and 50 % filler on comp. A+B				
Density at 20°C in the mix:	1.3 kg / l				
Mixing time:	3 min. according to preparation quantity				
Pot life at 20°C:	~ 50 minutes / 300 g Attention! Larger preparations or higher temperatures shorten pot life (processing time)				
Curing time at 20°C:	Can be overlain after ~ 16 h, slightly chargeable after ~ 24h, trafficable after ~ 48 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 72 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)				
Shelf life:	~ 12 months at 15°C to 25°C storage temperature				
Colour:	Acc. to colour chart				
Cleaning for tools:	EP-thinner (if no initial curing has taken place)				
Material consumption:	As coloured sealing: 1 st paint as primer with ~ 0.35 – 0.45 kg / m ² and two more paints as cover layer with each ~ 0.30 – 0.40 kg / m ²				
GISCODE:	RE 1 (epoxy resin products, solvent-free)				
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B2,7-IR20				
Mechanical properties:	Test report no. P 3835-16b of Polymer Institute Flörsheim				
Shore D hardness DIN 53505:	~ 68 Shore D				
Adhesive tensile strength DIN EN 1542:	~ 2.7 N/mm ² 100% crack in concrete				
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 38 mg/1000 U				
Bending tensile strength DIN EN ISO 178:	~ 16.9 N/mm ²				
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 23.1 N/mm ² sample not destroyed Compression stress, 20% strain ~ 33.0 N/mm ² sample not destroyed				
Tensile strength DIN EN ISO 527:	~ 14.7 N/mm ² - > 2.9 %				
Impact resistance DIN EN ISO 6272:	≤ 20 Nm				
On customer request 7.80 kg and 18.72 kg bundles are available pigmented!					
Available bundle sizes 4 K EP-Elastic sealing, coloured, standard					
Art.-no:	Bundle content:	Bundle composition:			
	Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for sealing)	Comp.D (pigment powder)
041201+RAL Nr.-Y50	7.80 kg	3.33 kg	1.67 kg	2.50 kg	0.30 kg
041201+RAL Nr.-Y51	18.72 kg	8.00 kg	4.00 kg	6.00 kg	0.72 kg
041201+RAL Nr.-Y52	979.44 kg	2 x 210 kg	1 x 210 kg	52 x 6.00 kg	52 x 0.72 kg

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4 K PLASTISTONE® EP - Elastic sealing rapid, coloured

Application areas:	<ul style="list-style-type: none"> → As fast curing coloured top sealing on concrete and screed floors and other mineral subsurface, but also on tarmac floors. → Due to its good UV resistance, well suitable for outside sections like balconies, terraces and production halls, basement garages etc., its elastic properties are also an advantage on an increased danger of cracking. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Everywhere where there are already even substrates and the corresponding capacity or stability of the subsoil for the expected loads already exists. → On high mechanical concentrated loads, like with forklift traffic, an EP-Elastic self-levelling coating starting from 2 mm is to be preferred. → Or the sealing is being applied in several (3-4 minimum) layers with intermediate sanding on the entire surface. → On application in combination with anti-slip grit, you can achieve an increased slip-resistance. → For achieving an increased scratch resistance of the surface, we recommend – especially in visual areas like offices/entrance halls or the like - 1 K or 2 K PU-sealing colourless. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The fast curing version is recommended up to a temperature of < 25°C zu empfehlen → Good elasticity and UV-resistance, (outside surfaces only with chips on the entire surface) → Solvent-free and thus low odour nuisance. → Available in 26 different standard colour shades. → On light colour shades like RAL 1001/1002/1014/1021/9010, you should add the double amount of colour powder. (increase from 1 bag to two) → By full-surface dispersal with colour chips of the elastic sealing and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness.
Safety data sheets:	<ul style="list-style-type: none"> → On our homepage, domain Shop Articles
Resistance:	<ul style="list-style-type: none"> → See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	<ul style="list-style-type: none"> → See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → On the first painting of dense concrete and screed floors, you can add up to 5 % max EP-thinner; the second paint should then be completed undiluted in order to achieve a good opacity. → For achieving an even grain, seamless rolling is necessary. Irregular application leads to streaking. → Processing with a rubber squeegee ensures a close impregnation of the subsoil which often replaces an additional leveling compound. Furthermore processing time is being prolonged. → Best results on a coloured paint are being achieved when using a 25 cm paint roller or on larger surfaces with a rubber squeegee. At the latest after 15 min. re-work without additional material with a 50 cm paint roller overlapping and seamless in one direction. Processing only with the paint roller is not possible! → Attention! Manual mixing of components A and B is not possible as this would not result in sufficient curing.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic sealing rapid, coloured

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 185 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B:	6 % colour pigment and 50 % filler on comp. A+B	
Density at 20°C in the mix:	1.3 kg / l	
Mixing time:	3 min. minimum according to preparation quantity	
Pot life at 20°C:	~ 10 minutes / 300 g. Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 10 h, slightly chargeable after ~ 18h, trafficable after ~ 24 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 48 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaner:	EP-thinner (if no initial curing has taken place)	
Material consumption:	As coloured sealing: 1 st paint as primer with ~ 0.35 – 0.45 kg / m ² and two more paints as cover layer with each ~ 0.30 – 0.40 kg / m ²	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,3-IR20	
Mechanical properties:	Test report no. P 3835-20a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 83 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.3 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 90 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	~ 35.5 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 70,0 N/mm ²	
Tensile strength DIN EN ISO 527:	~ 17.3 N/mm ² - > 2.5 %	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 7.80 kg and 18.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic sealing, coloured, rapid

Art.-no:	Bundle content:	Bundle composition:			
		Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for sealing)
041202+RAL Nr.-Y50	7.80 kg	3.33 kg	1.67 kg	2.50 kg	0.30 kg
041202+RAL Nr.-Y51	18.72 kg	8.00 kg	4.00 kg	6.00 kg	0.72 kg
041202+RAL Nr.-Y52	979.44 kg	2 x 210 kg	1 x 210 kg	52 x 6.00 kg	52 x 0.72 kg

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.0 – 1.5 mm, standard	
Application areas:	<ul style="list-style-type: none"> → As coloured, self-levelling thin coating for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → Application with light traffic by forklifts and electric pallet trucks. The total weight of 2.5t max. should not be surpassed. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The standard curing version is only recommended at temperatures > 15°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 1.0 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	→ On our homepage, domain Shop Articles
Resistance:	→ See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	→ See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.0 – 1.5 mm, standard

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 100 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no. 20 max. 2.0 kg/m ² = 1.25 mm no. 23 max. 2.5 kg/m ² = 1.56 mm	
Density (mix):	1.60 kg / l	
Pot life at 20°C:	~ 70 minutes / 300 g. Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 16 h, slightly chargeable after ~ 24h, trafficable after ~ 48 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 72 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,5-IR20	
Mechanical properties:	Test report no. P 3835-17a des Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 76 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.5 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 32 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	~ 23.1 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 30.7 N/mm ² sample not destroyed Compression stress, 20% strain ~ 45.0 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 16.2 N/mm ² - > 2.3 %	
Crack bridging DIN EN 1062-7	< 0.09 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 10.30 kg and 24.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 1.0 – 1.5 mm, standard

Art.-no:	Bundle size:	Bundle composition:			
		Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for 1.0-1.5mm)	Comp.D (pigment powder)
041301+RAL Nr.-Y55	10.30 kg	3.33 kg	1.67 kg	5.0 kg	0.30 kg
041301+RAL Nr.-Y56	24.72 kg	8.00 kg	4.00 kg	12.00 kg	0.72 kg
041301+RAL Nr.-Y57	1291.44 kg	2x 210 kg	1x 210 kg	52x 12.00 kg	52x 0.72 kg

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.0 – 1.5 mm, rapid	
Application areas:	<ul style="list-style-type: none"> → As coloured, fast-curing, self-levelling thin coating for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → Application with light traffic by forklifts and electric pallet trucks. The total weight of 2.5t max. should not be surpassed. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The fast curing version is recommended at temperatures < 25°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 1.0 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	<ul style="list-style-type: none"> → On our homepage, domain Shop Articles
Resistance:	<ul style="list-style-type: none"> → See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	<ul style="list-style-type: none"> → See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.0 – 1.5 mm, rapid

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 185 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 100 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no. 20 max. 2.0 kg/m ² = 1.25 mm no. 23 max. 2.5 kg/m ² = 1.56 mm	
Density (mix):	1.60 kg / l	
Pot life at 20°C:	~ 11 minutes / 300 g, Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 10 h, slightly chargeable after ~ 18h, trafficable after ~ 24 h, fully chemically and mechanically chargeable after 7 days. Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 48 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,2-IR20	
Mechanical properties:	Test report no. P 3835-21a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 75 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.2 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 93 mg/1000 U	
Bending tensile strength DIN EN ISO 178	~ 20.6 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 24.0 N/mm ² sample not destroyed Compression stress, 20% strain ~ 35.0 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 19.6 N/mm ² - > 3.5 %	
Crack bridging DIN EN 1062-7	< 0.11 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 10.30 kg and 24.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 1.0 – 1.5 mm, rapid

Art.-no:	Bundle size:	Bundle composition:			
		Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for 1.0-1.5mm)
041302+RAL Nr.-Y55	10.30 kg	3.33 kg	1.67 kg	5.0 kg	0.30 kg
041302+RAL Nr.-Y56	24.72 kg	8.00 kg	4.00 kg	12.00 kg	0.72 kg
041302+RAL Nr.-Y57	1291.44 kg	2x 210 kg	1x 210 kg	52x 12.00 kg	52x 0.72 kg

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.5 – 2.0 mm, standard	
Application areas:	<ul style="list-style-type: none"> → As coloured, self-levelling thin coating for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → From a layer thickness of 2 mm, this coating is suitable for vehicular traffic like forklift trucks (4 wheel version) with charges up to 3.5t. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The standard curing version is recommended for temperatures > 15°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 1.5 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	→ On our homepage, domain Shop Articles
Resistance:	→ See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	→ See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.5 – 2.0 mm, standard

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 150 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no. 20 max. 2.5 kg/m ² = 1.52 mm, no.23 max. 2.7 kg/m ² = 1.64 mm, no. 25 max. 3.2 kg/m ² = 1.94 mm	
Density (mix):	1.65 kg / l	
Pot life at 20°C:	~ 80 minutes / 300 g Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 16 h, slightly chargeable after ~ 24h, trafficable after ~ 48 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 72 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,1-IR20	
Mechanical properties:	Test report no. P 3835-18a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 76 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.1 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 51 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	~ 21.0 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 33.6 N/mm ² sample not destroyed Compression stress, 20% strain ~ 38.0 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 18.0 N/mm ² - > 1.3 %	
Crack bridging DIN EN 1062-7	< 0.30 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 12.80 kg and 30.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 1.5 – 2.0 mm, standard

Art.-no:	Bundle size:	Bundle composition:			
		Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for 1.5-2.0 mm)
041401+RAL Nr.-Y58	12.80 kg	3.33 kg	1.67 kg	7.50 kg	0.30 kg
041401+RAL Nr.-Y59	30.72 kg	8.00 kg	4.00 kg	18.00 kg	0.72 kg
041401+RAL Nr.-Y60	1603.44 kg	2x 210 kg	1x 210 kg	52x 18.00 kg	52x 0.72 kg

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.5 – 2.0 mm, rapid	
Application areas:	<ul style="list-style-type: none"> → As coloured, fast curing, self-levelling thin coating in interior zones for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → From a layer thickness of 2 mm, this coating is suitable for vehicular traffic like forklift trucks (4 wheel version) with charges up to 3.5t. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The fast curing version is recommended for temperatures < 25°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 1.5 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	<ul style="list-style-type: none"> → On our homepage, domain Shop Articles
Resistance:	<ul style="list-style-type: none"> → See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	<ul style="list-style-type: none"> → See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 1.5 – 2.0 mm, rapid

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1300 mPas	~ 185 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 150 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no. 20 max. 2.5 kg/m ² = 1.52 mm, no.23 max. 2.7 kg/m ² = 1.64 mm, no. 25 max. 3.2 kg/m ² = 1.94 mm	
Density (mix):	1.65 kg / l	
Pot life at 20°C:	~ 11 minutes / 300 g, Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 10 h, slightly chargeable after ~ 18h, trafficable after ~ 24 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 48 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,3-IR20	
Mechanical properties:	Test report no. P 3835-22a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 75 Shore D	
Adhesive tensile strength DIN EN 1542:	ca. 3,3 N/mm ² 100% Bruch im Beton	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ca. 79 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	ca. 22,0 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 28.0 N/mm ² sample not destroyed Compression stress, 20% strain ~ 37.0 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 18.2 N/mm ² - > 1.1 %	
Crack bridging DIN EN 1062-7	< 0,28 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 12.80 kg and 30.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 1.5 – 2.0 mm, rapid

Art.-no:	Bundle size:	Bundle composition:			
		Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for 1.5-2.0 mm)
041402+RAL Nr.-Y58	12.80 kg	3.33 kg	1.67 kg	7.50 kg	0.30 kg
041402+RAL Nr.-Y59	30.72 kg	8.00 kg	4.00 kg	18.00 kg	0.72 kg
041402+RAL Nr.-Y60	1603.44 kg	2x 210 kg	1x 210 kg	52x 18.00 kg	52x 0.72 kg

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 2.5 – 3 mm, standard	
Application areas:	<ul style="list-style-type: none"> → As coloured, self-levelling thin coating in interior zones for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → From a layer thickness of 2.5 mm, the coating is suitable for vehicular traffic like forklift trucks (4 wheel version) with charges up to 6 t. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The standard curing version is recommended for temperatures > 15°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 2.5 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	→ On our homepage, domain Shop Articles
Resistance:	→ See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	→ See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 2.5 – 3 mm, standard

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 208 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no. 25 max. 4.5 kg / m ² = 2.50 mm, no.78 max. 5.4 kg / m ² = 3.00 mm	
Density (mix):	1.80 kg / l	
Pot life at 20°C:	~ 90 minutes / 300 g, Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 16 h, slightly chargeable after ~ 24h, trafficable after ~48 h, fully chemically and mechanically chargeable after 7 days Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 72 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,3-IR20-B _{fl} -s1	
Fire behaviour:	Material research laboratory (MPA), Stuttgart	
As per DIN 4102 (D - Norm):	Test report no. 16-9012110-EL / fire class: DIN4102-B1	
As per DIN EN 13501-1 (EU - Norm)	Classification report no.16-9012110-80 EL / fire class: B _{fl} -s1	
Mechanical properties:	Test report no. P 3835-19a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 76 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.3 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 50 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	~ 24.4 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 10% strain ~ 45.8 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 20.1 N/mm ² - > 1.7 %	
Crack bridging DIN EN 1062-7	< 0.42 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 15.70 kg and 37.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 2.5 – 3.0 mm, standard

Art.-no:	Bundle size:	Bundle composition:			
		Comp. A A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler 1.5-2mm)
041501+RAL Nr.-Y61	15.70 kg	3.33 kg	1.67 kg	10.40 kg	0.30 kg
041501+RAL Nr.-Y62	37.72 kg	8.00 kg	4.00 kg	25.00 kg	0.72 kg
041501+RAL Nr.-Y63	1967.44 kg	2x 210 kg	1x 210 kg	52x 25.00 kg	52x 0.72 kg

Please note that no liability of the manufacturer can be deduced notably from the content of these technical data sheets as application and processing are outside our sphere of influence. All prices quoted plus legal VAT. Delivery and benefits exclusively based on our general terms and conditions.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 2.5 – 3 mm, rapid

Application areas:	<ul style="list-style-type: none"> → As coloured, fast curing, self-levelling thin coating in interior zones for production halls, warehouses, basement garages on concrete and screed, everywhere where there are already even substrates as well as a corresponding load capacity or stability for the charges that are to be expected. → For all surfaces with high visual demands in interior sections (like gloss level, surface optics, yellowing sensitivity etc.). → On outside surfaces only in connection with full surface broadcasting with colour chips and a double PU-sealing. → Due to its solvent-free formulation, this product can be very well applied in basement garages, warehouses and other closed rooms. → On concrete and screed floors that can be coated vapour diffusion tight. → For substrate with maximum residual moisture of 3% or in combination with the EP-barrier coat as primer up to maximum residual moisture of 5%. → From a layer thickness of 2 mm, the coating is suitable for vehicular traffic like forklift trucks (4 wheel version) with charges up to 6 t. → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → The fast curing version is recommended for temperatures < 25°C → Solvent-free, modified 2 – component epoxy resin / hardener system → Self-levelling from a layer thickness of 2.5 mm (acc. to substrate and at 20°C) → Good elasticity and UV-resistance (outside surfaces only with chips on the entire surface) → Available in 26 different standard colour shades. Colour pigment and fillers are only added during processing which results in a high flexibility for storage and application. → By partial or full-surface dispersal with colour chips and subsequent colourless coating, terrazzo-like surfaces can be achieved that excel in a high scratch resistance and sure footedness. → In areas where increased scratch resistance is required, we recommend to disperse a minimum of 100g/m² colour chips onto the fresh self-levelling coating as additional protection. After curing, apply a colourless 1K satin-gloss or 2K mat PU-sealing. From a quantity of 0.20kg/m² colour chips, you should reckon 2 work operations according to the sealing product. → As colourless, brilliant sealing, we recommend the 2K EP-sealing WE for thin layer types (with ~ 0.10-0.12 kg/m²) or EP- coloritquartz sand binder as thick layer sealing (with ~ 0.12-0.15kg/m²). → In combination with anti-slip grit and the colourless sealing, you can achieve non-skid surfaces. → In vehicle garages, you should abstain from using the 1K/2K PU-sealing as there is an increased risk of plasticiser discolouration.
Safety data sheets:	<ul style="list-style-type: none"> → On our homepage, domain Shop Articles
Resistance:	<ul style="list-style-type: none"> → See catalogue group 1 chemical resistance of coating surfaces
Subsurface preparation:	<ul style="list-style-type: none"> → See catalogue group 1 General requirements to subsurface
Processing:	<ul style="list-style-type: none"> → Stir the colour pigment for about 1 minute into component A by using a suitable agitator, then completely discharge component B into component A and mix for about 1 minute. Change the material into a larger pail and add the filler with the agitator slowly running and mix for about 1 minute. → The colour pigment should be stirred into component A with a fast running agitator as otherwise there is no sufficient dispersion (pinholing). Thus slow running one or double-spiral agitators are unsuitable. → Discharge the mix onto the surface and disperse with a tooth trowel and roll off with a spiked roller. → Generally it is recommended to immediately disperse the mixed material on the surface as it stays longer processible this way. Additionally it is avoided that the filler deposits in the pail which might cause uneven surfaces like levelling disturbances or colour disparities.

Technical data sheet date 01.10.2010

4 K PLASTISTONE® EP - Elastic self-levelling coating 2.5 – 3 mm, rapid

We especially point out that the following technical values can only be achieved with components like binding agent / fillers / pigments. Plasti-Chemie International GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Component A:	Component B:
Viscosity at 23 °C:	~ 1150 mPas	~ 185 mPas
Solids content:	100 %	
Mix ratio PBW:	100 PBW	50 PBW
Mix ratio PBV:	89.3 PBV	50 PBV
Filler addition on comp.A and comp.B	6 % colour pigment and 208 % filler on comp. A+B	
Mixing time:	3 min.	
Material consumption:	Practical consumption with trowel toothing: no.25 max. 4.5 kg / m ² = 2.50 mm, no.78 max. 5.4 kg / m ² = 3.00 mm	
Density (mix):	1.80 kg / l	
Pot life at 20°C:	~ 15 minute / 300 g, Attention! Larger preparations or higher temperatures shorten pot life (processing time)	
Curing time at 20°C:	Can be overlain after ~ 10 h, slightly chargeable after ~ 18h, trafficable after ~ 24 h, fully chemically and mechanically chargeable after 7 days. Attention! Curing times are strongly influenced by subsurface and surrounding temperature. After a curing time (at 20°C) of 48 hours, overlaying without grinding (alkaline basic cleaning) is no longer possible. (sanded subsurface are an exception)	
Shelf life:	~ 12 months at 15°C to 25°C storage temperature	
Colour:	Acc. to colour chart	
Cleaning for tools:	EP-thinner (if no initial curing has taken place)	
GISCODE:	RE 1 (epoxy resin products, solvent-free)	
CE Norm as per DIN EN13813:	CE-label: EN 13813 SR-AR1-B3,3-IR20-B _{fl} -s1	
Fire behaviour:	Material research laboratory (MPA), Stuttgart	
As per DIN 4102 (D - Norm):	Test report no. 16-9012110-EL / fire class: DIN4102-B1	
As per DIN EN 13501-1 (EU - Norm)	Classification report no.16-9012110-80 EL / fire class: B _{fl} -s1	
Mechanical properties:	Test report no. P 3835-23a of Polymer Institute Flörsheim	
Shore D hardness DIN 53505:	~ 75 Shore D	
Adhesive tensile strength DIN EN 1542:	~ 3.3 N/mm ² 100% crack in concrete	
Abrasion resistance DIN EN ISO 5470-1	(Taber) ~ 90 mg/1000 U	
Bending tensile strength DIN EN ISO 178:	~ 23.0 N/mm ²	
Compressive strength DIN EN ISO 604:	Compression stress, 20% strain ~ 42.0 N/mm ² sample not destroyed	
Tensile strength DIN EN ISO 527	~ 20.1 N/mm ² - > 1.0 %	
Crack bridging DIN EN 1062-7	< 0.43 mm	
Impact resistance DIN EN ISO 6272:	≤ 20 Nm	

On customer request 15.70 kg and 37.72 kg bundles are available pigmented!

Available bundle sizes 4 K EP-Elastic self-levelling coating 2.5 – 3.0 mm, rapid

Art.-no:	Bundle size:	Bundle composition:			
		Comp. A+B+C+D	Comp.A (resin)	Comp.B (hardener)	Comp.C (filler 1.5-2mm)
041502+RAL Nr.-Y61	15.70 kg	3.33 kg	1.67 kg	10.40 kg	0.30 kg
041502+RAL Nr.-Y62	37.72 kg	8.00 kg	4.00 kg	25.00 kg	0.72 kg
041502+RAL Nr.-Y63	1967.44 kg	2x 210 kg	1x 210 kg	52x 25.00 kg	52x 0.72 kg

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