

Technical data sheet date 16.07.2019

Plastistone® Epoxy Deco Coatings

Elasticised binding agents / Sealing and coating systems

Colored epoxy resin sealers and leveling coatings
 Use on commercial and residual surfaces with increased optical demands
 For applications with high expectations of the optics such as color stability with high UV exposure
 or to an increased elasticity the 2K PU-Easy Flex coating system of group 6 is recommended.

- The 2K EP-Elastic System is available in two versions, standard and rapid curing.
- 2K EP Elastic Binder is a slightly elasticized, low viscosity, unfilled, non-pigmented (not colored) 2K epoxy resin binder with high surface gloss.
- 2K EP-Easy Elastic is a factory-colored and lightly filled sealer coating system
- The 4K colored products are supplied as a 4 component kit, with the 1st + 2nd comp Epoxy resin / hardener system and the 3. + 4. Komp. are the filler and a pigment.
- Due to its low yellowing properties, this product is mainly used indoors for indoor optically demanding areas.
- On substrates such as mastic asphalt, concrete + cement screeds for production halls, storage rooms, underground garages and to use in areas indoors

Page 2 -4	2 K PLASTISTONE® EP-Elastic Binding agent standard, rapid As a colorless binder for the production of sealants and leveling coatings
Page 5 – 7	4 K PLASTISTONE® EP-Elastic self-levelling coating 1.5 – 2.0 mm, standard, rapid -as self-leveling coatings from 1.5 mm
Page 8 - 9	4 K PLASTISTONE® EP-Elastic self-levelling coating 2.5 – 3.0 mm, standard, rapid -as self-leveling coatings from 2.5 mm

Technical data sheet date 16.7.2019

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

Product description:	<ul style="list-style-type: none"> → As elasticised, solvent-free binding agent to be used for: → Self-levelling top coatings on concrete, screed and asphalt, everywhere 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 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 / m²) or EP-colour quartz sand binding agent as thick layer sealing (from 0.12-0.15kg / m²). → 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 / m². → Please mind the general advice in catalogue group 1!
Properties:	<ul style="list-style-type: none"> → As a colourless / coloured seal or as a self-levelling topcoat used indoors or as a slightly elasticized, solvent-free binder suitable for self-levelling topcoats on concrete, screed and asphalt. Wherever there is an increased risk of cracking → consists. Depending on the thickness and filling with quartz sand or quartz powder suitable for light, medium and heavy loads. On substrates such as mastic asphalt, concrete and cement screeds for production halls, warehouses, underground garages, entrances, stairs, exhibition halls, offices, etc. 2K EP-Elastic binder is vapor-proof and therefore only usable on substrates with a max. residual moisture of 3%. In combination with the 2K EPS barrier layer EA as a primer up to a max. Residual moisture of 5% (no oppressive Humidity). → Not suitable for magnesite and anhydrite screeds (not steam-diffusible). There always use the EP-DF system. Outdoor use is only possible on condition that the coating surface complete and in excess (min 300 g / m²) with coloured chips sprinkled and sealed with a colourless, yellowing-resistant PU sealer 2 times. For exterior surfaces and surfaces with high demands on UV resistance we recommend the 2K PU-Easy Flex system as a resistance to yellowing.
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

Available packaging sizes 2 K EP-Elastic Binders Standard and Rapid

Standard	Rapid	Packaging	Components Ratio
04 11 01 0000-Y21	04 11 02 0000-Y21	2,5 kg	Comp.A: 1,66 kg; Comp.B: 0,84 kg
04 11 01 0000-Y22	04 11 02 0000-Y22	5,0 kg	Comp.A: 3,33 kg; Comp.B: 1,67 kg
04 11 01 0000-Y23	04 11 02 0000-Y23	12,0 kg	Comp.A: 8,00 kg; Comp.B: 4,00 kg
04 11 01 0000-Y24	04 11 02 0000-Y24	24,0 kg	Comp.A: 16,00 kg; Comp.B: 8,00 kg
04 11 01 0000-Y25	04 11 02 0000-Y25	84,0 kg	Comp.A: 2 x 28 kg in 30 L Pail Comp.B: 1 x 28 kg in 30 L Pail
04 11 01 0000-Y27	04 11 02 0000-Y27	630,0 kg	Comp.A: 2 x 210 kg in 210 L Drum Comp.B: 1 x 210 kg in 210 L Drum

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

Application areas:	<ul style="list-style-type: none"> → As a 2-component epoxy bonding primer on concrete, cement screed, asphalt, tiles. → As primer or bonding agent for all Megaplast coatings and putties Excluded from this is the full-surface primer under EP-DF systems, as the 2K EP binder EA is not vapor diffusible. → For the renovation of cracks on floors in connection with screed clamps → Due to the low viscosity of the EP-Elastic binder also as injection resin in the flooring area suitable : → As a binder for the production of chamfered bases → As a scratch coat / fine filler (plus fillers) → As a colored sealer with fillers and pigments → As leveling coating from approx. 1 mm depending on fillers and pigments → For UV resistant coatings or sealers we recommend the Megaplast → 1K or 2K PU coating and the sealing systems
Properties:	<ul style="list-style-type: none"> → The processing of the standard version is at temperatures $> 10^{\circ} \text{C}$ to max. 30°C and the Rapid version at temperatures $> 5^{\circ} \text{C}$ to max. 25°C → Solvent-free and thus only a slight odor nuisance. → GISCODE: RE 1 (epoxy resin products, solvent-free, sensitizing) → With the addition of 6% Plastistone standard pigments and corresponding fillers, the binder can be dyed in 26 different shades. Special colors according to RAL possible with extended delivery times. → In conjunction with the anti-slip sprinkling and a colorless seal can → slip-resistant surfaces are achieved. → 2K EP-Elastic binder is only slightly elasticized and therefore not rigid and brittle coating system. By no means meets the requirements for a high → Crack-bridging sealing system. For such requirements, the 2K PU Mega Flex and the 2K PU-Easy Flex.
Underground Quality:	<ul style="list-style-type: none"> → Concrete: at least C 20/25, screed: min. CT 35, age at least 28 days → Mastic asphalt screeds min. Hardness class AS 10, age min. 2 days → Tensile strength: at least $1.5 \text{ N} / \text{mm}^2$ → Residual moisture content of concrete and cement screeds: $< 3\%$ at each point (measured by CM method)
Surface preparation:	<ul style="list-style-type: none"> → The surface to be treated must be clean, dry and stable. → A sufficient absorbency of the substrate is a prerequisite for the Attachment. → Mastic asphalt screeds must be sanded until the aggregate grain becomes visible. → The substrate must be free from oils, greases, old paints, cement slurries or others → Pollution by grinding, shot peening or milling are freed. → Attention! For very hard and dense surfaces (very good at the greasy shiny To recognize surfaces) is to pay attention to a sufficient surface pretreatment. → Suitable methods are: shot peening in the cloister or intensive sanding with a diamond-bladed grinder (sandpaper is unsuitable). → Unpolished or badly sanded surfaces prevent the penetration of the Primer. → If Megaplast old coatings are to be reworked, they should be ground beforehand or one alkaline cleaning with a plate machine with a cleaning pad or sanding pad be made. In addition, the 2K EP-Elastic binder with → Apply 5 - 10% EP-Verdünnung and as a primer with the paint roller. → See catalog Gr.1 General requirements for the surfaces to be coated
Processing conditions:	<ul style="list-style-type: none"> → The processing of the standard version is at temperatures $> 10^{\circ} \text{C}$ to max. 30°C and the Rapid version at temperatures $> 5^{\circ} \text{C}$ to max. 25°C recommended. The best results are achieved between $15^{\circ} \text{C} - 25^{\circ} \text{C}$! Rel. Humidity: max. 80%, do not handle at dew point ratios. Moisture during curing can cause fogging!
Subsurface preparation:	<ul style="list-style-type: none"> → The processing of the standard version is at temperatures $> 10^{\circ} \text{C}$ to max. 30°C and the Rapid version at temperatures $> 5^{\circ} \text{C}$ to max. 25°C recommended. The best results are achieved between $15^{\circ} \text{C} - 25^{\circ} \text{C}$! Rel. Humidity: max. 80%, do not handle at dew point ratios. Moisture during curing can cause fogging!

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

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

	Standard		Rapid	
Product data:	Comp. A	Comp. B	Comp. A	Comp. B
Viscosity at 23 °C:	~ 1150 mPas	~ 120 mPas	ca. 1100 mPas c	ca. 185 mPas
Mixing ratio parts by weight:	100 pts by weight	50 pts by weight	100 pts by weight	50 pts by weight
Mixing ratio parts by volume:	100 pts by vol.	56 pts by vol.	100 pts by vol.	56 pts by vol.
Density at 20 ° C:	1,12 kg/l	1,00 kg/l	1,12 kg/l	1,00 kg/l
Density of the mixture at 20 ° C:	1,08 kg/l		1,08 kg/l	
Density (mix):	1.65 kg / l			
Pot life at 20°C:	~ 50 minutes / 300 g Attention! Larger preparations or higher temperatures shorten pot life (processing time)		ca. 15 Mins / 300 g Mix	
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			
	STANDARD		RAPID	
Shore D hardness DIN 53505:	~ 60 Shore D		~ 53Shore D	
Adhesive tensile strength DIN EN 1542:	~ 4.3 N/mm ² 100% crack in concrete		~ 4.2 N/mm ²	
Abrasion resistance DIN EN ISO 5470-1	ca. 765 mg/1000 U/H22/1kg*		ca. 790 mg/1000 U/H22/1kg*	
Pressure resistance DIN EN 196-1:	Compressive stress, 10% compression approx. 31.3 N / mm ² Sample not destroyed		Compressive stress, 10% compression approx. 11.2 N / mm ² Sample not destroyed	
Bending tensile strength DIN EN 196-1:	approx. 8.4 N / mm ² at 3.5% Edge fiber elongation, no breakage		approx. 2.1 N / mm ² at 3.5% Edge fiber elongation, no breakage	
Tensile strength DIN EN ISO 527	ca. 7,9 N/mm ² - ca. 20,3%		ca. 10,1 N/mm ² - ca. 16,7%	
Impact resistance DIN EN ISO 6272:	≥ 8 Nm		≥ 16 Nm	

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.

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 Produktions GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Standard		Rapid	
Viscosity at 23 °C:	~ 1100 mPas	~ 120 mPas	~ 1100 mPas	~ 185 mPas
Mixing ratio parts by weight:	100 pts by weight	50 pts by weight	100 pts by weight	50 pts by weight
Mixing ratio parts by volume:	100 pts by vol.	56 pts by vol.	100 pts by vol.	56 pts by vol.
Density at 20 °C:	1,12 kg	1,00 kg/l	1,12 kg	1,00 kg/l
Density of the mixture A+B at 20 °C:	1,08kg/l		1,08 kg/l	
Filler content on Comp. A + B:	150% filler Leveling coating 1,5 - 2,0 on components A + B			
Color pigment on comp. A + B:	6% color pigment (color powder) on components A + B			
Density (mix):	1.67 kg / l incl. Pigment and Filler			
Pot life at 20°C:	about 60 minutes / 300 g batch		about 20 minutes / 300 g batch	
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			
	Standard		Rapid	
Mechanical properties:	Test report No. P 3835-18a		Test Report No. P 3835-22a	
Shore D hardness DIN 53505:	ca. 76 Shore D		ca. 76 Shore D	
Adhesive tensile strength DIN EN 1542:	> 3,3 N/mm ² *		> 3,3 N/mm ² *	
Abrasion resistance DIN EN ISO 5470-1	ca. 578 mg/1000 U/H22/1kg*		ca. 575 mg/1000 U/H22/1kg*	
Bending tensile strength DIN EN ISO 178:	ca. 21,0 N/mm ²		ca. 22,0 N/mm ²	
Compressive strength DIN EN ISO 604:	Compressive stress, 10% compression approx. 33.6 N / mm ² Sample not destroyed Compressive stress, 20% compression approx. 38.0 N / mm ² Sample not destroyed		Compressive stress, 10% compression approx. 28.0 N / mm ² Sample not destroyed Compressive stress, 20% compression approx. 37.0 N / mm ² Sample not destroyed	
Tensile strength DIN EN ISO 527	ca. 18,0 N/mm ² - > 1,3%		ca. 18,2 N/mm ² - > 1,1%	
Crack bridging DIN EN 1062-7	< 0,30 mm		< 0,28 mm	
Impact resistance DIN EN ISO 6272:	≥ 20 Nm*		≥ 20 Nm*	

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

Art.-no:	Bundle size:	Bundle composition:			
		Comp.A (resin)	Comp.B (hardener)	Comp.C (filler for 1.5-2.0 mm)	Comp.D (pigment powder)
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

echnical 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.

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 Produktions GmbH is not liable for the application of external products as technical properties may strongly deviate then.

Product data:	Standard		Rapid	
Viscosity at 23 °C:	~ 1100 mPas	~ 120 mPas	~ 1100 mPas	~ 185 mPas
Mixing ratio parts by weight:	100 pts by weight	50 pts by weight	100 pts by weight	50 pts by weight
Mixing ratio parts by volume:	100 pts by vol.	56 pts by vol.	100 pts by vol.	56 pts by vol.
Density at 20 °C:	1,12 kg	1,00 kg/l	1,12 kg	1,00 kg/l
Density of the mixture A+B at 20 °C:	1,08kg/l		1,08 kg/l	
Filler content on Comp. A + B:	208% filler Leveling coating 2,5 -3,0 on components A + B			
Color pigment on comp. A + B:	6% color pigment (color powder) on components A + B			
Density (mix):	1.80 kg / l incl. Pigment and Filler			
Pot life at 20°C:	about 60 minutes / 300 g batch		about 20 minutes / 300 g batch	
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			
	Standard		Rapid	
Mechanical properties:	Test report No. P 3835-19a		Test Report No. P 3835-23a	
Shore D hardness DIN 53505:	ca. 76 Shore D		ca. 75 Shore D	
Adhesive tensile strength DIN EN 1542:	> 3,3 N/mm ² *		> 3,3 N/mm ² *	
Abrasion resistance DIN EN ISO 5470-1	ca. 623 mg/1000 U/H22/1kg*		ca. 461 mg/1000 U/H22/1kg*	
Bending tensile strength DIN EN ISO 178:	ca. 24,4 N/mm ²		ca. 23,0 N/mm ²	
Compressive strength DIN EN ISO 604:	Compressive stress, 10% compression approx. 45.8 N / mm ² Sample not destroyed		Compressive stress, 20% compression approx. 42.0 N / mm ² Sample not destroyed	
Tensile strength DIN EN ISO 527	ca. 20,1 N/mm ² - > 1,7%		ca. 20,1 N/mm ² - > 1,0%	
Crack bridging DIN EN 1062-7	< 0,42 mm		< 0,43 mm	
Impact resistance DIN EN ISO 6272:	≥ 20 Nm*		≥ 20 Nm*	