

QUICKFILL SL STANDARD

2K SELF LEVELLING JOINT FILLER

CHARACTERISTICS

QuickFill SL Standard is a low viscosity 2-component, 100% solids joint filler for static joints and crack repairs in concrete substrates. This Self Leveling Material has been especially designed for horizontal applications requiring a slower set time to facilitate deep penetration and to enhance self levelling.

It can be easily and rapidly installed in static joints and cracks. It penetrates into fractures of joints preventing water intrusion and sub-structure damage. It is an excellent maintenance solution and it seals against most fluids and other contaminants. After initial cure it can be trimmed flat if necessary.

FEATURES

- **Applied using easy to use twin cartridge dispensing gun. Pneumatic or manual.**
- **Low viscosity allows deep penetration and tenacious bonding**
- VOC free, 100% solids
- Self Levelling
- Instant repair, drive over in 60 minutes.
- Excellent Sealing and permeability properties.
- Stays flexible even in extremely cold environments.
- Moisture insensitive during the application and curing processes.
- Formulation is based on Polyurea technology.
- Resistant to most chemicals, cleaners, fuels and oils.
- Excellent abrasion and high impact resistance.

TYPICAL USES

- Sealing cable channels and inductive loops.
- Repairing and sealing cracked concrete.
- Sealing static construction joints in concrete.
- Embedding and sealing pressure sensitive signaling cabling
- Cold Storage Applications due to low temperature cure.
- Filling concrete spawling damage on factory floors.

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PROCESSING PROPERTIES

INFORMATION ABOUT THE USE OF THE PRODUCT

	DATA
Mixing Ratio (A:B)	100:100 by volume
Recommended thickness [mm]	n.a.
Numbers of layer	
Gelification time at 20°C [min.]	8,0 - 10,0
Tack.Free-Time at 20°C [min.]	14 - 15
Hardness/Curing at 20°C	1h: 80 - 90% 24h: nearly 100%
Temperature range for application (ambience) [°C]	0 - +50
Temperature range for application (substrate) [°C]	
Material Temperature of both components [°C]	> 20
Maximal relative air humidity for application [%]	95 - 99
Pay attention to the dew point limit	min. 3K > DP (dew point)

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PHYSICAL PROPERTIES

INFORMATION ABOUT THE USE OF THE PRODUCT

	DATA	
Chemical Base	-	Comp. A: HDI-Prepolymer Comp. B: Mod. Polyaspartics/Polyurea
VOC-content	DIN EN ISO 11890-1 / ASTM D-1259	0%
Solids content	DIN EN 827 / ASTM D-2697	100%
Colour	-	Black
Viscosity [mPa*s] @ 25°C	DIN EN ISO 2884-2 / ASTM D-4878	Comp. A: 500 - 900 Comp B: 600 - 1.200
Density [g/cm ³] @ 20°C	DIN EN ISO 2811-1 / ASTM D-1217	Comp. A: 1,12 ± 0,02 Comp. B: 1,05 ± 0,02
Density [g/cm ³]	EN ISO 1183 / ASTM D-792	1,02 ± 0,02
Tensile strength [MPa]	ISO 37-2005 / ASTM D-638	≥ 5
Elongation at break [%]		≥ 90
Hardness [Shore A]	ISO 868-2003 / ASTM D-2240	85 ± 5
Hardness [Shore D]		30 ± 5
Abrasion resistance [mg]	ASTM D-4060	< 10 (wheel CS17; 1000 g; 1000 cycles)
Peel off strength [N/mm]	ISO 813 / ASTM	Steel: ≥ 8 Concrete: ≥ 1,5
Max. Process temp. [°C]	ISO 11346 / ASTM D-2485	Wet: 60 Dry: 130 Peak temperature dry: 150
Storage conditions [°C]	DIN EN 12701 / ASTM	10 - 30 (in closed original drums, stored at dry and well ventilated place; beware of freezing)
Shelf life	-	Approximately 9 months

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APPLICATION NOTE

QuickFill SL Standard can be supplied in a twin pack cartridge system applied using either a manual or pneumatic dispensing gun or in 20L pails for application using VIP's Low pressure application unit – The LP-2.

When using the twin pack cartridge system it is important to take care that no chemical material leaks into the static mixer prior to pulling the trigger on the dispensing gun and commencing the actual application process as this can cause premature cross linking in the static mixing tube leading to blockage. The process of dispensing should be done completely and quickly in one action avoiding any stops, to avoid the material from setting in the static mixing tube.

For applications involving larger areas it is recommended that the application be done using VIP's LP-2 low pressure plural component dispensing unit. Component B should be thoroughly power stirred before use and both components A+B should be heated to a processing temperature of about 20 - 25°C.

The drying times depend naturally on the climate and environmental influences, e.g. ambient temperature, relative humidity of air and ventilation etc.

Therefore the times specified can only be used as guidelines. The exact times have to be determined by testing on site.

Aromatic Polyurea Coating Systems are UV-stable but are not colour stable. The cured coating system may exhibit discoloration when exposed to sunlight. This does not influence the physical properties of the material!

When using VIP's twin cartridge system vigorously shake the cartridges until components are thoroughly mixed. When installing the product via a VIP low pressure plural component application machine thoroughly power stir the B-side component drum before use.

FORM OF DELIVERY

Please see our price list for respective packing units.

DISCLAIMER

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This technical specification supersedes all previous data sheets.