

QUICKFILL NS STANDARD

2K NON-SAGGING JOINT FILLER

CHARACTERISTICS

QuickFill NS Standard is 2-component, 100% solids joint filler that has been specifically designed for vertical applications requiring a non-sagging sealant. It can be easily and rapidly installed in vertical static joints and concrete cracks. It is an excellent maintenance solution and it seals against most fluids and other contaminants. After initial curing it can be trimmed if necessary.

QuickFill NS Standard is not negatively affected by moisture during the application and curing process making it an ideal joint filling material for both new and maintenance applications.

FEATURES

- **Applied using easy to use twin cartridge pneumatic dispensing gun.**
- **Thixotropic properties allow installation in vertical applications without sagging or running.**
- VOC free, 100% solids
- 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 of vertical cable runs and inductive loops.
- Repairing and sealing vertical cracks in concrete.
- Sealing vertical static construction joints in concrete
- Cold Storage Applications due to low temperature cure.

QUICKFILL NS STANDARD

2K NON-SAGGING JOINT FILLER

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.]	5 - 7
Tack.Free-Time at 20°C [min.]	20
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)

**QUICKFILL NS
STANDARD**
2K NON-SAGGING JOINT FILLER
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: ≥ 4 Concrete: ≥ 4
Methane transmission rate [cm ³ /m ² *d*bar]	ISO 15105-1	After approx. 70 hours: ΔE*= 2,44 No chalking, no discolouration, no cracking and no blistering.
Max. Process temp. [°C]	ISO 11346 / ASTM D-2485	134 (at 23°C a. 0% relative humidity)
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

QUICKFILL NS STANDARD

2K NON-SAGGING JOINT FILLER

APPLICATION NOTE

QuickFill NS Standard is supplied in a twin pack cartridge system and is applied using a pneumatic dispensing gun.

QuickFill NS Standard is not suitable for application using a manually operated cartridge gun.

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.

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 the twin pack cartridges it is critical that the contents are mixed thoroughly by shaking the cartridges left and right in a vigorous manner for at least 5 minutes.

FORM OF DELIVERY

Please see our price list for respective packing units.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, at the time of printing. However the accuracy, completeness and repeatability of said tests results are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine the suitability of the product / system for his own particular project and application. User assumes all risk and liability resulting from his use of this product / system. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or incorrect use of the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and standard application procedures. Test performance results were obtained in a controlled environment and the manufacturer makes no claim that these tests or any other tests, accurately represent all environments.

ISSUE DATE: JULY 2020

This technical specification supersedes all previous data sheets.