Dencrete JF FLEX

Flexible Polyurethane Joint Filler

Product description
Dencrete JF Flex is a solvent free, middle viscosity, two component polyurethane resin based joint filler for Dencrete floors.

Fields of application
Joint Filler for cementitious and resinbased floors.

Features and benefits

- Flexible joints
- Easy to apply
- Excellent bond to substrate
- Flexible color scheme

Substrate preparation
All substrates must be structurally sound, clean and dry and free from oil, grease and loose material and any other contamination, which might impair adhesion.
The tensile strength of the substrate should exceed 1.5 MPa. The residual moisture content should be less than 4%. Dencrete JF Flex should be applied when substrate temperatures are constant or falling to minimise the risk bubble and void formation due to expansion of air within the substrate when temperatures are rising. This is particularly important to note on external applications.

The curing reactions are influenced by the ambient, material and substrate temperatures. Low temperatures lengthen the pot life, open- and curing times. High temperatures shorten pot life, open- and curing times.
The temperatures should not fall below the minimum stated until the material is fully cured. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least a further 24 hours (at 15°C).

Application
Precondition all components to a temperature of approximately 15 to 20°C. Dencrete JF Flex is supplied in prepacked units. Before mixing, Dencrete JF Flex should be homogenized by gentle stirring. Add the color pack to part A and stir gently until homogenization of the color is obtained. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Pour the entire contents of part B into the container of part A. Mix with a low speed (ca.300 rpm) electric drill and paddle for at least 3 minutes until homogeneous.. Keep the mixing head submerged to avoid entrapping air.
Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

Consumption
Dencrete JF Flex Typically 0,3-0,4 kg per running meter joint depending on joint dimensions.

Cleaning agent
Tools must be cleaned immediately after use with Dencoat Tool Cleaner or other suitable solvent.

Packaging
Dencrete JF Flex is supplied in 12.5 kg units. Dencrete JF Flex is used with Dencrete Hardener in appropriate quantity.

Shelflife
Minimum 12 months stored in original containers under dry conditions at a temperature between 15-20°C. Do not expose to direct sunlight.

Product Datasheet

Characteristics of Dencrete JF FLEX as delivered

Property	Measuring method	Approx. value
Mixing Ratio A:B		12.5 kg : 2.5 kg
Mixed density		1.20 kg/l
Mixed viscosity at 23°C	Brookfield DV-II	3000 cP
Working time at 23°C		20 minutes
Ready for traffic at 23°C		24 hours
Fully cured 23°C		7 days
Substrate temperature		Min 5°C max 30°C
Max relative humidity		Max 85 %

Characteristics of Dencrete JF FLEX in the hardened state

Property	Measuring method	Approx. value
Thickness		n.a.
SHORE D hardness	DIN 53505	60
Tensile strength	DIN 53504	
Elongation at Break	DIN 53504	>100%
Crack bridging ability		n.a.
Temperature resistance		Max 90°C
Waterpenetration		Impervious
Chemical Resistance		See separate datasheet
Adhesion to concrete	BS/EN 24614	>1,5 MPa
Abrasion resistance (Taber)	EN 1504-2	<50 mg
Impact resistance	EN 1504-2	Class II
Fire classification	EN 1504-2	B_{fl}

CE

Dencoat™ International · E-mail: info@dencoat.com · Website: www.dencoat.com

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JF FLEX - 001

EN 13813 SR-AR1-B1,5-IR4

Synthetic resins for internal uses
(Application in accordance with the newest technical information)

Reaction to fire:	B_{fl}
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	NPD [2)]
Wear resistance (Abrasion Resistance):	< AR 1 [3)]
Bond strength:	> B 1,5
Impact resistance:	< IR 4
Sound insulation:	NPD [2)]
Sound absorption:	NPD [2)]
Thermal resistance:	NPD [2)]
Chemical resistance:	NPD [2)]

CE-labelling

1) Last two digits of the year in which the ce marking was affixed.

2) NPD = No performance determined.

3) Refers to a smooth surface without broadcasting.

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