

Denpur™ HTR Flex

Highly flexible Transparent Sealcoat

DESCRIPTION

Denpur™ HTR FLEX is a two component, Highly flexible seal coat. It provides excellent abrasion resistance, improved scratch resistance and a clear, mat finish .

FEATURES AND BENEFITS

- Solvent free
- Consistent, slightly textured matt finish
- Durable
- Improves scratch resistance and abrasion resistance
- Good adhesion to non-porous substrates
- Low viscosity
- Easy to clean and maintain
- Very low emissions

FIELDS OF APPLICATION

Denpur™ HTR FLEX is designed for use as a glossy durable sealcoat.

SUBSTRATE PREPARATION

The surface to be applied **Denpur™ HTR FLEX** must be clean and dry. Application should be made within 24 hours after installation of the sub layer.

APPLICATION

Denpur™ HTR FLEX is supplied in prepacked units. Before mixing, precondition both A and B components to a temperature of approximately 15 to 20°C.

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. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. 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.

Always work wet-in-wet otherwise you risk getting visible roller marks. Use a max. 40 cm wide short haired roller and start in the middle of one of the short sides of the floor. Dip the roller in the mixed material and apply a strip of **Denpur™ HTR FLEX** parallel to the wall next to one of the corners. Dip the roller in the material again and apply as a path from the starting point and out of the other corner. Go back and repeat these steps while overlapping the first track with a few centimetres.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum.

The temperature of the substrate must be at least 3K above the dew point both during the application and for at least 8 hours after application (at 15°C).

Consumption

Denpur™ HTR FLEX:
Typically 0.3–0.8 kg/m².
Do not exceed the recommended use.

Cleaning agent

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

Packaging

Denpur™ HTR FLEX is supplied in 10 kg, 190 kg or 900 kg units. **Denpur™ HTR FLEX** is used with **Dencoat™ 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.

Technical data for Liquid material

Property	Method	Values
Mixing Ratio A:B		10 kg : 3 kg
Mixed density		1.07 kg/l
Mixed Viscosity at 23°C	Brookfield DV-II	500 cP
Working time at 23°C		20 minutes
Ready for traffic at 23°C		1 hour
Fully cured 23°C		24 hours
Substrate temperature		Min 5°C max 30°C
Max relative humidity		Max 85%

Technical data cured material

Property	Method	Values
Thickness		0.3-0.8 mm
SHORE D hardness	DIN 53505	75
Tensile strength	DIN 53504	
Elongation at Break	DIN 53504	>50%
Crack bridging ability		>1 mm
Temperature resistance		Max 90°C
Water penetration		Impervious
Chemical Resistance		See separate datasheet
Adhesion to concrete	BS/EN 24614	>1.5 MPa
Abrasion resistance (Taber)	EN 1504-2	65 mg
Impact resistance	EN 1504-2	Class II
Fire classification	EN 1504-2	D _{fl}



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