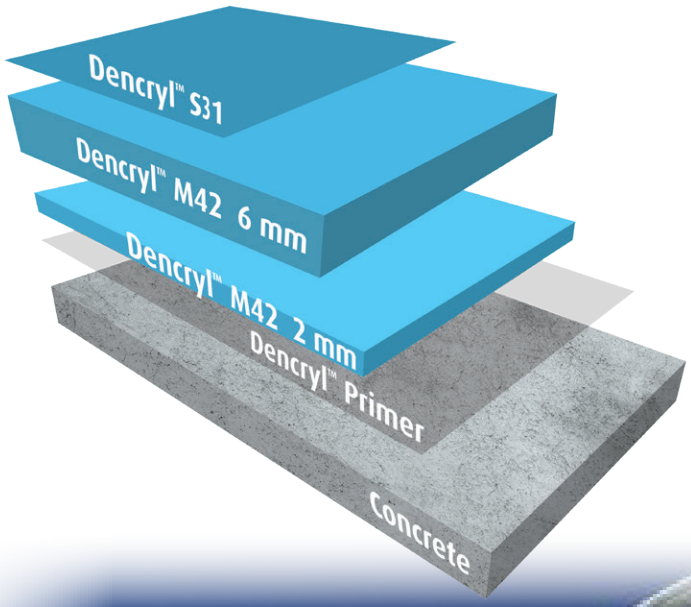
DenCoat™

Tomorrows Floors Today



Dencryl™ Bridge Traffic (6 - 10 mm)

Exposed waterproofing membrane layer as wearing layer

For bridges where asphalt is not an option, we offer a heavy duty driving wear layer based on a flexible PMMA mixed with hard and extremely bauxite aggregate.
This system bonds with the substrate and provides a sealed wear layer in combination with a flexible, crack-bridging barrier membrane and surface friction suited for walking and cycling.
Dencryl™ Bridge Traffic provides a low density option to provide a wear, impact and abrasion resistant surface that will offer corrosion resistance, slip resistance and limited maintenance requirements. It can be used on new bridge construction, routine maintenance or bridge restoration applications.
Dencryl™ Bridge Traffic systems are only installed by authorised and approved applicators.

Benefits

- Will adhere well to dry and clean surfaces including steel and pipe outlets etc.
- Flexibility sufficient to bridge cracks in excess of 3.5 mm in well below freezing conditions.
- Will resist rain and snow within 45 – 60 minutes of installation.
- Very easily repaired if damaged.
- Rapid setting and curing enables rapid handover.

Yellow | Buff | Red | Blue

Dark Green | Dark Grey | Light Grey | White

For more colors please see separate color chart.

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SYSTEM BUILD-UP

Layer	Material	Application Rate	Thickness
Primer on substrate[1]	Dencryl™ P11 or P12	0.3-0.5 kg/m²	0.3-0.5 mm
Broadcast aggregate	Quartz 0.3-0.7 mm	0.3 kg/m²	
Membrane[2]	Dencryl™ M42	Min. 2.8 kg/m²	Min. 2.0 mm
Wear layer	Dencryl™ M42 + aggregate	10 kg/m²	6 mm
Seal coat	Dencryl™ S31	0.3-0.5 kg/m²	0.5-0.8 mm

[1] Porous or uneven substrates may require multiple primer coats.
[2] Membrane application rate/thickness: min. 2.8 kg/m² for single layer.

TECHNICAL DATA

Properties	Value
Fully cured at 20°C	2 hours
Applied thickness	6 - 10 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	85 MPa
Reaction to fire	D_{fl}-s_1
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg/1000 cycles (Taber Abrader)
Thermal conductivity	< 0.8 W/m·K
Slip resistance	R9 – R13

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