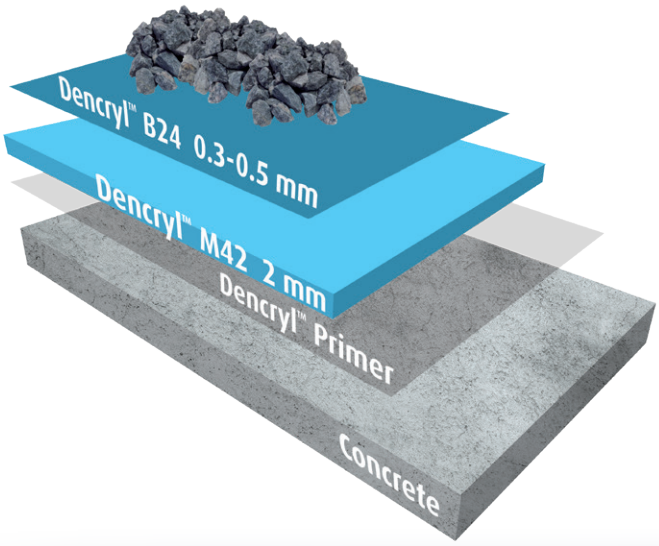
DenCoat™

Tomorrows Floors Today



Dencryl™ Bridge Rail (3 - 4 mm)

Waterproofing membrane under rail ballast

Dencryl™ Bridge Rail provides seamless waterproofing and extreme impact and indentation resistance under rail ballast. When required by specification, a proprietary ballast mat can be placed.
Dencryl™ Bridge Rail can be used with new construction, restoration or replacement rail bridge and grade separation applications.
The Dencryl™ Bridge Rail membrane may also be used without protection board.

Benefits

- Extreme impact resistance to rail ballast.
- Bond of membrane in excess of concrete tensile or cohesive strengths.
- Will resist rain and snow within 45 – 60 minutes of installation.
- Flexibility sufficient to bridge cracks in excess of 3.5 mm in well below freezing conditions.
- 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
Tack Coat	Dencryl™ B24	0.3-0.5 kg/m²	0.3-0.5 mm
Broadcast aggregate	Quartz 0.3-0.8 mm	Min. 1.0 kg/m²	

[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	3 - 4 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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