

DURAFORGE 7049 XR

Super abrasion-resistant repair coating

Internal reference: BD7049 - Series: DURAFORGE

Product summary

High-performance wear- and corrosion-resistant material suitable for the repair and protection of slurry pumps under medium-to-heavy wear and erosion conditions. Wear resistance is more than double that of high-chromium alloy.

Typical applications

- Slurry pumps
- Surfaces with severe erosion
- Components exposed to severe wear
- Heavy and abrasive media

Key benefits

- Wear resistance more than double that of high-chromium alloy
- Good toughness
- Impact resistance
- Does not sag or flow
- Resistance to acid, alkali and hot water

Main technical data

Property	Value
Colour / state	Grey / Paste
Density	2.6 +/- 0.1 g/cm ³
Compressive strength	>= 1050 kg/cm ²
Shear strength	>= 120 kg/cm ²
Tensile strength	>= 490 kg/cm ²
Flexural strength	>= 570 kg/cm ²
Hardness	>= 85 Shore D
Application method	Trowel
Working time	<= 30 min
Cure time	>= 24 h

Property	Value
Full load	>= 48 h or 80 to 100C after 1 h
Service temperature	-60C to 100C
Mix ratio	A:B = 3:1
Primer	Special primer required
Thickness per coat	2 to 20 mm
Packaging	10 kg/set

Recommended procedure

1. Prepare the metal substrate until it is clean, dry and rough.
2. Apply a special primer before coating.
3. Mix A and B in a 3:1 ratio and apply while compacting firmly.
4. Cure for 24 hours at 25C before light service; consider post-curing when required.

Application notes

When the required thickness exceeds 20 mm, layered construction must be used.

Safety and storage

Use gloves, protective eyewear and adequate ventilation. Avoid contact with eyes and skin. Store in a cool, ventilated and dry place; keep away from children, ignition sources and hazardous objects.