OXLYON 707 FA

Ceramic coating for fine-particle abrasion

Internal reference: BD707 - Series: OXLYON

Product summary

High-performance ceramic coating, resistant to wear and cavitation, used to repair eroded equipment and to build wear-resistant protective layers.

Typical applications

- Process equipment
- Chutes
- Pipelines
- Surfaces exposed to fine-particle abrasion
- Erosion repair

Key benefits

- High wear resistance
- Good toughness
- High bond strength
- No shrinkage
- Resistance to acids, alkalis and warm water
- Simple application

Main technical data

Property	Value
Colour / state	Grey / Paste
Density	2.2 +/- 0.1 g/cm3
Compressive strength	>= 890 kg/cm2
Tensile shear strength	>= 160 kg/cm2
Flexural strength	>= 460 kg/cm2
Hardness	>= 85 Shore D
Application method	Trowel
Working time	<= 30 min
Cure time	>= 12 h

Property	Value
Full load	>= 24 h or 80 to 100C after 1 h
Service temperature	-60C to 120C
Mix ratio	A:B = 4:1
Thickness per coat	2 to 15 mm
Tested media	HCl 15%, H2SO4 20%, H3PO4 20%, NH3 10%, lime water 15%, NaOH 50%
Packaging	10 kg/set

Recommended procedure

1. Prepare the substrate until the metallic surface is clean, dry and rough.
2. Mix components A and B according to the 4:1 ratio.
3. Apply the material and compact it; use layered construction when the required thickness exceeds 15 mm.
4. Cure for 12 hours at 25C for light service, or apply post-curing to improve properties.

Application notes

Post-curing at 80 to 100C for more than 1 hour is recommended to achieve more ideal mechanical properties.

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.