OXLYON 727 HT

High-temperature wear-resistant ceramic coating

Internal reference: BD727 - Series: OXLYON

Product summary

High-temperature ceramic polymer material for the repair of parts exposed to washing, wear and elevated thermal service, and for the creation of wear-resistant protective coatings.

Typical applications

- Vertical cement mills
- High-temperature parts
- Equipment exposed to fine abrasion
- Surfaces exposed to hot water or steam

Key benefits

- Good toughness
- High bond strength to metallic substrates
- Non-sag during application
- Resistance to acid, alkali, hot water and steam
- Suitable for high-temperature wear service

Main technical data

Property	Value
Colour / state	Grey / Paste
Density	2.0 +/- 0.1 g/cm3
Compressive strength	>= 990 kg/cm2
Tensile shear strength	>= 120 kg/cm2
Flexural strength	>= 500 kg/cm2
Hardness	>= 85 Shore D
Application method	Trowel
Working time	<= 40 min
Cure time	>= 24 h
Full load	>= 48 h or 80 to 100C after 1 h of initial hardening

Property	Value
Service temperature	-60C to 160C
Mix ratio	A:B = 4:1
Thickness per coat	2 to 15 mm
Packaging	10 kg/set

Recommended procedure

1. Prepare the surface by removing dust and oil, leaving a rough and clean substrate.
2. Mix components A and B at a 4:1 ratio.
3. Apply and compact the material; work in layers when the required thickness exceeds 15 mm.
4. Cure for 24 hours at 25C or apply post-curing for higher performance.

Application notes

Post-curing at 80 to 100C for more than 1 hour is recommended after ambient-temperature hardening.

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.