

OXLYON 703 LT

Two-component ceramic reinforced epoxy system

Internal reference: 703 Series - Series: OXLYON

Product summary

High-performance ceramic epoxy system for erosion repair and the creation of wear-resistant protective coatings. It can be applied and cured under low-temperature conditions and in high-altitude or cold regions.

Typical applications

- Slurry pumps
- Ducts and pipelines
- Cyclones
- Equipment exposed to erosion and wear
- High-altitude or cold-climate applications

Key benefits

- Good toughness
- High bond strength
- VOC-free
- No shrinkage
- Suitable for low-temperature service
- Easy to shape and apply

Main technical data

Property	Value
State / method	Grey paste / Trowel
Density	2.1 +/- 0.1 g/cm ³
Solids content	>= 99.8%
Compressive strength	>= 91 MPa
Tensile shear strength	>= 14 MPa
Hardness	>= 86 Shore D
Service temperature	-60C to 120C
Mix ratio	A:B = 2:1
Working time at 25C	< 15 min

Property	Value
Working time at 17C	< 25 min
Working time at 7C	< 60 min
Cure at 25C	1 hour
Cure at 17C	2 hours
Cure at 7C	4 hours
Thickness per coat	2 to 15 mm
Packaging	10 kg/set

Recommended procedure

1. Prepare the surface, leaving the metallic substrate clean, dry and rough.
2. Accurately mix components A and B in a 2:1 ratio.
3. Apply and compact the material; use layered construction when the required thickness exceeds 15 mm.
4. Cure according to the temperature schedule; post-curing may be applied to improve performance.

Application notes

After ambient-temperature cure, the material may be heated at 60 to 80C for more than 1 hour to obtain 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.