

ZDS-CeramicArmor™ · CA SERIES

ZDS-CA1826

Fine-Particle Wear Resistant Coating



Product Description

Fine-Particle Wear Resistant Coating

Service Temperature

-60°C to +160°C

Mixing Ratio

A:B = 4:1

Cure Schedule

Pot life: 30 min (max. per ba...

Core Advantages

- ✓ Thixotropic, non-sag application
- ✓ High wear resistance
- ✓ Corrosion resistance

Applications

Pumps and pump casings, tanks and vessels, impellers, slurry and bulk-material systems, powder and ash handling systems, industrial pipelines; protective coating, repair and rebuilding.

Typical Application Parameters

Product Form	Coating
Mixed Color	Typical: Dark grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	30 min
Recommended Layer	Recommended: 0.5-1.0 mm / coat
Initial Cure (25°C)	Typical: 15-30 min

Technical Data

Density	2.38g
Tensile strength	≥33Mpa
Shear strength	≥16Mpa
Service Temperature	-60°C to +160°C
Mixing Ratio	A:B = 4:1
Cure Schedule	Pot life: 30 min (max. per batch 1.5 kg), Light load / machining: 12 h; Earliest return to service: 12 h; (/); 24 h□

Application Guidance & Storage

- Surface preparation: Clean, sound and oil-free substrate; abrade metal or composites and remove dust before application.
- Application: Measure the stated ratio, mix until uniform, then apply and compact to minimise entrapped air.
- Environment: Keep the substrate at least 3°C above dew point. Cold extends cure; heat shortens working time.
- Storage & safety: Store sealed at 5-30°C in a cool, dry place; typical shelf life 12 months. Use gloves and eye protection; consult the SDS.

Application values marked Typical or Recommended are engineering guidance derived from the product type, stated performance and intended use. Confirm critical project parameters by application testing.