

ZDS-CeramicArmor™ · CA SERIES

ZDS-CA1188

Heavy-Duty Cavitation Repair Paste



Product Description

Heavy-Duty Cavitation Repair Paste

Service Temperature

Dry: -40°C to 220°C

Mixing Ratio

A:B = 1:1

Cure Schedule

Pot life: 25-35 min

Core Advantages

- ✓ Thixotropic, non-sag application
- ✓ Erosion and cavitation resistance
- ✓ Corrosion resistance

Applications

Heat exchangers and tube sheets, pumps and pump casings, valves, pipe elbows and tees, tanks and vessels, industrial pipelines; repair and rebuilding.

Typical Application Parameters

Product Form	Paste
Mixed Color	Typical: Dark grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	25-35 min
Recommended Layer	Recommended: 3-10 mm
Initial Cure (25°C)	Typical: 12-24 h

Technical Data

Shear strength	≥22 MPa
Compressive strength	≥110 MPa
Hardness	Shore D ≥88
Service Temperature	Dry: -40°C to 220°C; wet: up to 140°C
Mixing Ratio	A:B = 1:1
Cure Schedule	Pot life: 25-35 min; Full chemical cure: 7 days

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.