

ZDS-CeramicArmor™ · CA SERIES

ZDS-CA1839

Wear-Resistant Ceramic Structural Adhesive



Product Description

Wear-Resistant Ceramic Structural Adhesive

Service Temperature

Typical: -40°C to +150°C

Mixing Ratio

Typical A:B = 2:1

Cure Schedule

Typical Initial cure: 12-24 h

Core Advantages

- ✓ High wear resistance
- ✓ High mechanical and bonding strength
- ✓ Ceramic-reinforced protection

Technical Data

Pack size	10 kg
Service Temperature	Typical: -40°C to +150°C
Mixing Ratio	Typical A:B = 2:1
Cure Schedule	Typical Initial cure: 12-24 h; Full chemical cure: 7 days at 25°C

Applications

Pipe elbows and tees, chutes and hoppers, ceramic and glass-lined equipment, industrial pipelines; bonding.

Typical Application Parameters

Product Form	Adhesive
Mixed Color	Typical: Dark grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	Typical: 30-45 min
Recommended Layer	Recommended: 0.5-1.0 mm / coat
Initial Cure (25°C)	Typical: 4-6 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.