

ZDS-MetalRebuild™ · MR SERIES

ZDS-MR1346

Ultra-Temp Cold-Weld Paste



Product Description

Ultra-Temp Cold-Weld Paste

Service Temperature

-40°C ~ +300°C

Mixing Ratio

A:B = 1:1

Cure Schedule

4-6 h (Initial cure:) / 24 h

Core Advantages

- ✓ Thixotropic, non-sag application
- ✓ Rapid cure for reduced downtime
- ✓ High-temperature service capability

Applications

Industrial pipelines; repair and rebuilding.

Technical Data

Tensile strength	≥30 MPa
Shear strength	≥22 MPa
Glass transition (Tg)	≥180°C
Service Temperature	-40°C ~ +300°C (continuous)
Mixing Ratio	A:B = 1:1
Cure Schedule	4-6 h (Initial cure:) / 24 h

Typical Application Parameters

Product Form	Paste
Mixed Color	Typical: Grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	Typical: 5-15 min
Recommended Layer	Recommended: 1-5 mm
Initial Cure (25°C)	Typical: 15-30 min

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.