

ZDS-MetalRebuild™ · MR SERIES

ZDS-MR1101

Anti-Static GRE Structural Adhesive



Product Description

Anti-Static GRE Structural Adhesive

Service Temperature

-50°C ~ +140°C

Mixing Ratio

A:B = 1:1

Cure Schedule

24 h at room temperature

Core Advantages

- ✓ Electrical conductivity and static-discharge control
- ✓ Thixotropic, non-sag application
- ✓ Impact resistance

Applications

GRE/FRP pipe joints, offshore platforms, desalination plants, industrial pipelines; repair and rebuilding.

Typical Application Parameters

Product Form	Adhesive
Mixed Color	Typical: Black to dark grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	Typical: 30-45 min
Recommended Layer	Recommended: 0.2-1.0 mm bond line
Initial Cure (25°C)	Typical: 4-6 h

Technical Data

Volume resistivity	0.05-2 Ω·cm
Shear strength	>10 MPa
Light transmittance	≥86%
Service Temperature	-50°C ~ +140°C (short-term 170°C)
Mixing Ratio	A:B = 1:1
Cure Schedule	24 h at room temperature

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.