

ZDS-MetalRebuild™ · MR SERIES

ZDS-MR5017

Quick-Alloy Repair Compound



Product Description

Quick-Alloy Repair Compound

Service Temperature

-50°C ~ +100°C

Mixing Ratio

A:B = 1:1

Cure Schedule

Initial cure: 5-20min / 24 h

Core Advantages

- ✓ Rapid cure for reduced downtime
- ✓ High mechanical and bonding strength
- ✓ High adhesion to prepared industrial substrates

Applications

Pumps and pump casings, valves, industrial pipelines, metal components; repair and rebuilding.

Typical Application Parameters

Product Form	Adhesive
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)	5-20 min

Technical Data

Tensile strength	65-80 MPa
Shear strength	3.8-4.8 MPa
Hardness	Shore D 80-85
Service Temperature	-50°C ~ +100°C
Mixing Ratio	A:B = 1:1
Cure Schedule	Initial cure: 5-20min / 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.