

ZDS-MetalRebuild™ · MR SERIES

ZDS-MR5000

Cast Steel Repair Compound



Product Description

Cast Steel Repair Compound

Service Temperature

-60 to 150°C

Mixing Ratio

A:B = 2:1

Cure Schedule

24 h

Core Advantages

- ✓ Machinable after cure
- ✓ Dimensional restoration
- ✓ High adhesion to prepared industrial substrates

Applications

Pumps and pump casings, valves, flanges, pipe fittings, metal components; repair and rebuilding.

Typical Application Parameters

Product Form	Paste
Mixed Color	Typical: Grey
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	Typical: 30-45 min
Recommended Layer	Recommended: 1-5 mm
Initial Cure (25°C)	Typical: 4-6 h

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.

Technical Data

Density	1.85
Tensile strength	291
Shear strength	181
Service Temperature	-60 to 150°C
Mixing Ratio	A:B = 2:1
Cure Schedule	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.