

ZDS-CompositeWrap™ · CW SERIES

ZDS-CW5014

ProWrap Pipe Re-Inforcement Resin



Product Description

ProWrap Pipe Re-Inforcement Resin

Service Temperature

continuous 130°C

Mixing Ratio

A:B = 50:1

Cure Schedule

24 h / 7 daysfull properties

Core Advantages

- ✓ Low viscosity and efficient fibre wet-out
- ✓ Composite reinforcement and fibre wet-out
- ✓ High structural performance

Applications

Industrial pipelines, metal components; structural reinforcement, sealing, repair and rebuilding.

Technical Data

Flexural strength	>100 MPa
Glass transition (Tg)	126°C
Mixed viscosity	≈20 mPa·s
Service Temperature	continuous 130°C
Mixing Ratio	A:B = 50:1
Cure Schedule	24 h / 7 daysfull properties

Typical Application Parameters

Product Form	Resin
Mixed Color	Typical: Amber to translucent
Application Temperature	Recommended: 10°C to 35°C
Working Time (25°C)	Typical: 30-45 min
Recommended Layer	Recommended: Per reinforcement design
Initial Cure (25°C)	Typical: 12-24 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.