

ZDS-CompositeWrap™ · CW SERIES

ZDS-CW5013

Pultrusion Manufacturing Polymer



Product Description

Pultrusion Manufacturing Polymer

Service Temperature

-40°C ~ +130°C

Mixing Ratio

A:B = 50:1

Cure Schedule

120°C x 3 min (Full cure:)

Core Advantages

- ✓ Low viscosity and efficient fibre wet-out
- ✓ Rapid cure for reduced downtime
- ✓ High mechanical and bonding strength

Applications

Industrial pipelines; structural reinforcement.

Technical Data

Tensile strength	≥75 MPa
Flexural strength	≥100 MPa
Glass transition (Tg)	126°C
Service Temperature	-40°C ~ +130°C (continuous)
Mixing Ratio	A:B = 50:1
Cure Schedule	120°C x 3 min (Full cure:); Working time: >60-120 min

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: 5-15 min
Recommended Layer	Recommended: Per reinforcement design
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.