

**ZEPOXY BARFLEX** is a three-component epoxy hot curing system, particularly suited to the filament winding and pultrusion processes due to its low viscosity, good fiber wetting capabilities and long pot life. This product is suitable for experienced professional users only.

## TECHNICAL DATA

| Property              | Test Method | Result   |
|-----------------------|-------------|--|
| Appearance Part A     | Visual      | Medium viscosity, clear to light yellow liquid |
| Appearance Part B     | Visual      | Low viscosity, clear to light yellow liquid    |
| Appearance Part C     | Visual      | Low viscosity, clear to light yellow liquid    |
| *Mix viscosity @ 25°C | ASTM D 2196 | 200 – 400 cPs                                  |
| *Flash Point          | ASTM D 93   | >135°C   |
| *Flexural Strength    | ASTM D 790  | 92 MPa   |
| *Compressive Strength | ASTM D 695  | 80 MPa   |

\*Typical results under laboratory conditions.

## ADJUSTED RATIO WITH PROPERTIES

| Property                             | System 1       | System 2     | System 3       |
|--------------------------------------|----------------|--------------|----------------|
| Mix ratio (Part A: Part B: Part C)   | 100 : 90 : 0.5 | 100 : 90 : 1 | 100 : 90 : 1.5 |
| *Pot life (300g mix) @ 25°C          | 72 hours       | 48 hours     | 24 hours       |
| *Gel time on glass fiber rop @ 200°C | 6 – 6.5 min    | 4 – 4.5 min  | 2 – 2.5 min    |

\*Typical results under laboratory conditions.

## APPLICATION

- ✓ Pultrusion
- ✓ Anti-corrosion Coating
- ✓ Filament winding, Glass fiber reinforcement.
- ✓ Adhesives

## NOTE

The gel time and pot life of this systems, may differ from the above data due to different fiber content, product thickness and mixture quantity.

## PACKAGING

Zepoxy Barflex is available as follows:

|                 |         |                  |
|-----------------|---------|------------------|
| Commercial Pack | 19.3 KG | Part A: 10 KG    |
|                 |         | Part B: 9 KG     |
|                 |         | Part C: 300 GRAM |

## HEALTH AND SAFETY

Dispose containers of the materials as per local laws, rules, and regulations. Use gloves, safety masks and other safety apparel as per health and safety laws. For further assistance, please refer to the MSDS of the product for further health and safety information.