

**Zepoxy 300** is a clear high gloss epoxy system for general purpose coatings and thin castings. This system offers a moderate open time, medium viscosity, good wetting characteristics and good impact strength.

## TECHNICAL DATA

| Property                              | Test Method | Result                         |
|---------------------------------------|-------------|--------------------------------|
| Appearance Part A                     | Visual      | Medium viscosity, clear liquid |
| Appearance Part B                     | Visual      | Low viscosity, clear liquid    |
| Mix ratio (Part A: Part B)            | Theoretical | 100 : 50                       |
| *Mix viscosity @ 25°C                 | ASTM D 2196 | 1000 – 5000 cPs                |
| *Flash Point                          | ASTM D 93   | >117°C                         |
| *Coverage per kg                      | Theoretical | 9 SFT @ 1mm thick              |
| Recommended maximum casting thickness | -           | 5mm                            |
| *Pot life (300g mix) @ 30°C           | -           | 38 min                         |
| *Pot life (300g mix) @ 45°C           | -           | 24 min                         |
| *Gel time @ 34°C (1mm thickness)      | -           | 50m                            |
| *Hardening time                       | -           | 24 hours                       |
| *Full Cure                            | -           | 7 days                         |
| *Flexural Strength (MPa)              | ASTM D 790  | 82.2                           |
| *Compressive Strength (MPa)           | ASTM D 695  | 81.7                           |

\*Typical results under laboratory conditions.

## NOTE:

At 40°C gel time will be reduced to half, in case of increased temperatures, pouring should be planned accordingly.

## MIXING

The mixing ratio must be accurately followed to achieve perfect results. It is not possible to change the ratio which would result in the epoxy not drying properly and lower mechanical properties. Pour the hardener first and then the resin. The mixed components should be thoroughly mixed for 3-4 minutes to ensure an even consistency. To avoid development of bubbles slowly mix for 5-10 mins. Once the epoxy is mixed and poured gently pass warm air from a heat gun or hair dryer on slowest speed setting, this will assist in removal of any bubbles generated during mixing.

## PACKAGING

Zepoxy 300 is available as follows:

|             |                              |
|-------------|------------------------------|
| 1.5 KG Sets | Part A 1 KG<br>Part B 500g   |
| 15 KG Sets  | Part A 10 KG<br>Part B 5 KG  |
| 45 KG Sets  | Part A 30 KG<br>Part B 15 KG |

## 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.