

## TECHNICAL DATA SHEET

### ANTICORR CCP-331

ANTICORR CCP-331 is a medium reactivity Unsaturated Polyester Resin Based on Isophthalic Acid Useful for the fabrication of a wide range of FRP structures for Chemical industry. Structures made with CCP-331 possess excellent resistance to water and host of corrosive chemicals such as dilute acid and salt solutions.

#### Salient Features

**CCP-331** is designed to give an optimum combination of performance and economy. The resin has been successfully used for the fabrication of many corrosion resistant structures

#### Physical Properties Of Liquid Resins:

|                          |                            |
|--------------------------|----------------------------|
| Colour & Appearance      | : Hazy Light Yellow Liquid |
| Viscosity @ 25°C. (cps.) | : 350 - 450                |
| Acid Value (mgs.KOH/g.)  | : 14 - 20                  |
| Specific Gravity @ 25°C. | : 1.10 - 1.12              |
| Monomer content (wt.%)   | : 38 - 42                  |
| Geltime @ 25°C. (mts.)   | : 14 - 20                  |

(\*with 1% of Accelerator A. and 1.5 % of Catalyst C.)

\*Accelerator A - 3% Solution of cobalt as cobalt octoate.

Catalyst C - 50% Solution of MEKP (9% Active Oxygen) (Akzonobel Butonox M-50)

> Use of other MEKP Catalysts or additives may result in different geltimes.

***Catalyst should be never brought in direct contact with accelerator. Explosion is possible.***

Note: Properties are tested in accordance with methods described in IS 6746 -1994.

#### Mechanical Properties Of Cast Resin

**(Cured for 24 hrs. at room temperature followed by for 4 hrs. at 100 Deg. C. )**

|  |        |
|--|--------|
| Tensile Strength (Kgs./CM <sup>2</sup> )   | : 600  |
| Elongation at break ( % )                  | : 2    |
| Flexural Strength (Kgs./ CM <sup>2</sup> ) | : 1050 |
| Heat Distortion Temperature (°C)           | : 103  |
| Barcol hardness                            | : 40   |
| Volume Shrinkage ( % )                     | : 8.5  |

#### Caution

**CCP-331** is a material of limited shelf life. Storage at 15-20 Deg.C and low humidity in securely closed containers is recommended. Exposure of container to direct sunlight should be avoided at all costs. The material should be consumed as soon as it is received, especially when proper storage facility does not exist. Material is guaranteed for a shelf life of 3 months from manufacturing date when stored at suggested conditions. Storage at higher temperatures will adversely affect shelf life.

#### Note.

**All the above information is based on the results of tests carried out at our laboratories to the best of our ability. The figures are intended to give a general indication of the characteristics of the product. No liability must be assumed or implied as a result of the data given.**

All recommendations for use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although the information contained in this sheet is accurate to the best of our knowledge, no liability can be accepted in respect of such information and no warranty or conditions are intended in respect of the product described as the conditions of application are beyond our control.

**For Technical/Trade Inquiry**