

**ANCAMINE® 1884****Curing Agent****DESCRIPTION**

Ancamine 1884 is a modified cycloaliphatic polyamine adduct designed for use with liquid epoxy resin. Ancamine 1884 is a longer pot-life variant of Ancamine 1693. The light colour, good colour stability, long pot-life and excellent moisture tolerance of Ancamine 1884 make it particularly suitable for use in high ambient temperature solvent-free concrete coatings, flooring and grouting applications and under conditions of high humidity. Bonds well to damp concrete.

Excellent chemical resistance against water, alkalis, detergents and dilute inorganic acids; moderate against denatured alcohol, hydrocarbons and organic acids; poor against ketones and glycol ethers.

**TYPICAL PROPERTIES**

| Property                | Value                     | Unit     | Method                                      |
|-------------------------|---------------------------|----------|---|
| Appearance              | Clear light yellow liquid |          |   |
| Colour                  | <3                        | Gardner  | ASTM D 1544-80                              |
| Viscosity @ 25°C        | 300-350                   | mPa.s    | Brookfield RVTD, Spindle 4                  |
| Amine Value             | 355-375                   | mg KOH/g | Perchloric Acid Titration                   |
| Specific Gravity @ 21°C | 1.05                      | g/ml     |   |
| Equivalent              | 86                        | Wt/{H}   |   |
| Recommended use Level   | 45                        | PHR      | With Bisphenol A diglycidyl ether (EEW=190) |

**ADVANTAGES**

- Low blush under conditions of high humidity
- Long pot life
- Classified as non-corrosive
- Bonds to damp concrete

**APPLICATIONS**

- Solvent-free and high solids coatings
- Grouts
- Exterior patching mortars

## SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1884 curing agent.

## TYPICAL HANDLING PROPERTIES

| Property                    | Value | Unit | Method                       |
|-----------------------------|-------|------|------------------------------|
| Mixed Viscosity @ 25°C      | 2100  | mPas | Brookfield RVTD, Spindle 4   |
| Gel Time (150g mix @ 25°C ) | 80    | min  | Techne GT-3 Gelation Timer   |
| Thin Film Set Time @ 25°C   | 9.0   | h    | BK Drying Recorder Phase III |
| Typical cure schedule       | 2- 7  | days |                              |

## TYPICAL PERFORMANCE PROPERTIES

| Property                    | Value | Unit | Method                |
|-----------------------------|-------|------|-----------------------|
| Compressive Strength        | 92    | MPa  | ISO 604               |
| Tensile Strength            | 53    | MPa  | ISO 527               |
| Tensile Modulus             | 3.5   | GPa  | ISO 527               |
| Elongation at Break         | 2.5   | %    | ISO 527               |
| Flexural Strength           | 90    | MPa  | ISO 178               |
| Flexural Modulus            | 2.3   | GPa  | ISO 178               |
| Heat Distortion Temperature | 42    | °C   | ASTM D 648            |
| Bond Strength (mild steel)  | 14    | MPa  | ASTM D 4541           |
| Carbamation Test            | 4     |      | Scale 1-5 (5 is best) |

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