

**ANCAMINE® 1784** Curing Agent**DESCRIPTION**

Ancamine 1784 is a low viscosity modified aliphatic amine curing agent for epoxy resin. It is moisture insensitive and relatively resistant to blushing and exudation and is an excellent low colour variant to amidoamines as pot life enhancer for aliphatic and cycloaliphatic amines. Applications include high solids and solvent free coatings, flooring, laminates, adhesives and casting.

**ADVANTAGES**

- Moisture resistance
- Relatively resistant to blushing and exudation
- Low colour

**APPLICATIONS**

- High solids and solvent free coatings
- Flooring
- Laminates, adhesives and castings

**SHELF LIFE**

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

**HANDLING PRECAUTIONS**

Refer to the Safety Data Sheet for Ancamine 1784 curing agent.

**TYPICAL PROPERTIES**

|  |                   |
|--|-------------------|
| <b>Appearance</b>                              | Colourless liquid |
| <b>Colour<sup>1</sup> (Gardner)</b>            | 3                 |
| <b>Viscosity<sup>2</sup> @ 25°C (mPa.s)</b>    | 30-100            |
| <b>Amine Value<sup>3</sup> (mg KOH/g)</b>      | 290-320           |
| <b>Specific Gravity @ 21°C, [g/ml]</b>         | 0.95              |
| <b>Equivalent Wt/{H}</b>                       | 76                |
| <b>Recommended Use Level<sup>4</sup> (PHR)</b> | 40                |

**TYPICAL HANDLING PROPERTIES**

|   |          |
|---|----------|
| <b>Gel Time<sup>5</sup> (150g mix at 25°C) [mins]</b> | 90       |
| <b>Thin Film Set Time<sup>6</sup> 25°C [h]</b>        | 12       |
| <b>Typical cure schedule</b>                          | 2-7 days |

**TYPICAL PERFORMANCE PROPERTIES**

|  |    |
|--|----|
| <b>Flexural Strength<sup>7</sup>, [MPa]</b>          | 71 |
| <b>Heat Distortion Temperature<sup>8</sup>, [°C]</b> | 50 |

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder Phase III
- (7) ISO 178
- (8) ASTM D648

Epoxy Curing Agents and Modifiers

# ANCAMINE® 1784 Curing Agent

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