

**ANCAMINE® 2803** Curing Agent**DESCRIPTION**

Ancamine 2803 is a modified polyamine curing agent intended for fast cure, high elongation and hardness epoxy application. It is designed for use at 1:1 mix ratio by volume when used with standard epoxy resins. It has fast cure even at low temperatures.

**BENEFITS**

- High elongation
- Fast cure
- Low temperature cure
- High hardness
- High tensile and tear strength

**APPLICATIONS**

- Deck membrane
- Crack bridging
- Joint sealant
- Flexible grouts and overlays

**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 on Ancamine 2803 curing agent.

**TABLE 1: TYPICAL PROPERTIES**

<b>Appearance</b>	Clear, Yellow Liquid
<b>Color<sup>1</sup> (Gardner)</b>	<8
<b>Viscosity<sup>2</sup> @ 25°C (cPs)</b>	1300-1900
<b>Amine Value<sup>3</sup> (mg KOH/g)</b>	1.05
<b>Specific Gravity @ 21°C</b>	230-290
<b>Equivalent Wt/{H}</b>	176-188
<b>Recommended Use Level<sup>4</sup> (phr)</b>	90-110

**TABLE 2: TYPICAL HANDLING PROPERTIES<sup>(4)</sup>**

<b>Gel Time<sup>5</sup> (min, 150g mass, 25°C)</b>	10
<b>Thin Film Set Time<sup>6</sup> (h, 23°C)</b>	2
<b>Thin Film Set Time<sup>6</sup> (h, 10°C)</b>	4
<b>Hardness Shore D @ 23°C (6h/24h)</b>	80/80
<b>Hardness Shore D @ 10°C (6h/24h)</b>	68/80
<b>Trouser Tear Strength<sup>7</sup> (lb/in)</b>	207
<b>Die-C Tear Strength<sup>8</sup> (lb/in)</b>	236
<b>Tensile Strength<sup>9</sup> (psi)</b>	2450
<b>Tensile Elongation @ Break<sup>9</sup> (%)</b>	152

Footnotes:

- (1) ASTM D1544-80
- (2) ASTM D 2196-05, Brookfield RVTD
- (3) Perchloric Acid Titration
- (4) Bisphenol A diglycidyl ether resin (EEW=190)/Epodi 748 (90:10)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder phase III
- (7) ASTM D 1938
- (8) ASTM D 624
- (9) ASTM D 638-14

Epoxy Curing Agents and Modifiers

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