

## DESCRIPTION

Epodil 748 is the glycidyl ether of a mixture of C<sub>12</sub>-C<sub>14</sub> aliphatic alcohols used to reduce the viscosity of epoxy resin systems. It is a monofunctional reactive diluent, which provides excellent viscosity reduction. In addition the low level of volatility and ability to reduce the surface tension of epoxy resins make Epodil 748 a general purpose diluent.

## ADVANTAGES

- Low vapor pressure and low toxicity
- Improves flexibility
- Improves adhesion to non-polar surfaces

## APPLICATIONS

- Flooring, mortars and grouts
- High and 100% solids coatings
- Laminates
- Exposed aggregate

## SHELF LIFE

At least 36 months from the date of manufacture in the original sealed container at ambient temperature.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Epodil 748 reactive diluent.

**TABLE 1: TYPICAL PROPERTIES**

<b>Appearance</b>	Clear Liquid
<b>Colour<sup>1</sup> (Gardner)</b>	1 max
<b>Viscosity<sup>2</sup> @ 25°C, [mPa.s]</b>	5-20
<b>Flash Point (closed cup) [°C]</b>	>93
<b>Specific Gravity @ 21°C</b>	0.89
<b>Equilalent Wt/{Epoxide}</b>	275-300
<b>Free Water [%]</b>	0.1 max
<b>Hydrolyzable Chloride [%]</b>	0.1 max
<b>Free Epichlorohydrin [ppm]</b>	10 max

**TABLE 2: RECOMMENDED USAGE**

<b>Weight Percent<sup>3</sup></b>	<b>Mix Viscosity<sup>2</sup> at 25°C</b>
<b>Epodil 748</b>	[mPa.s]
<b>5</b>	5,300
<b>10</b>	2,500
<b>15</b>	1,250
<b>20</b>	725

Footnotes:

(1) ASTM D 1544-80

(2) Brookfield RVT, Spindle 4

(3) With Bisphenol A diglycidyl ether (EEW=190)

Epoxy Curing Agents and Modifiers

# EPODIL® 748 Reactive Diluent

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