



SiVance® C2010 Resin

Technical DataSheet | Supplied by **Milliken**

SiVance® C2010 Resin by Milliken is a modified polysiloxane that is epoxy functional. It improves properties such as flexibility, hydrophobicity, and hydrothermal stability. It enhances the compatibility and performance of SiVance® C1008 Curative in aromatic epoxy systems. It avoids the cracking, delamination and blistering that lead to corrosion and failure of metal pipes, tanks and equipment. It may be cured in the same manner as other epoxy systems. SiVance® C2010 Resin utilizes a proprietary structure that enables the resin to be broadly compatible with aliphatic epoxies and aromatic epoxies such as bisphenol-A, bisphenol-F, and phenol novolacs. SiVance® C2010 Resin is designed to create highly durable epoxy-silicone hybrid coating formulations for use in harsh operating environments such as undersea drilling, hydraulic fracturing and chemical manufacturing. Used in immersion coatings, tank linings, thermal insulation and subsea coatings. It is registered under the Toxic Substances Control Act (TSCA).

SiVance® C2010 Resin Product details

Product Type	Silicones > Epoxy-functional
Chemical Composition	Modified polysiloxane
Physical Form	Liquid
Appearance	Clear, Light-amber
Product Launch Date	Aug 10, 2016
Product Status	COMMERCIAL
Geographical Availability	Africa, Asia / Pacific, Central and Eastern Europe, Middle East and Central Asia, North America, South and Central America, Western Europe
Applications/ Recommended for	Coatings
Bio Based	No
Labels/Agency Rating	TSCA

SiVance® C2010 Resin Properties

Property	Value & Unit	Test Condition	Test Method
Epoxy Equivalent Weight	320 g/equiv		
Density	1.08 g/mL		
Density	9.0 lbs/gal		
Viscosity @ 25°C	500 cP		
Flash Point (CC)	> 102 °C		

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