



## Reactive Diluent

### Description

HSC 4110 is aliphatic mono-functional epoxy glycidyl ether of C-12-C-14 fatty alcohol. It assists in reducing the viscosity of basic liquid resin, facilitates better non-yellowing compared to aromatic reactive diluent and increases the working time of epoxy formulations. Assists in very good surface wetting and overall low odour.

### Application and Key Properties

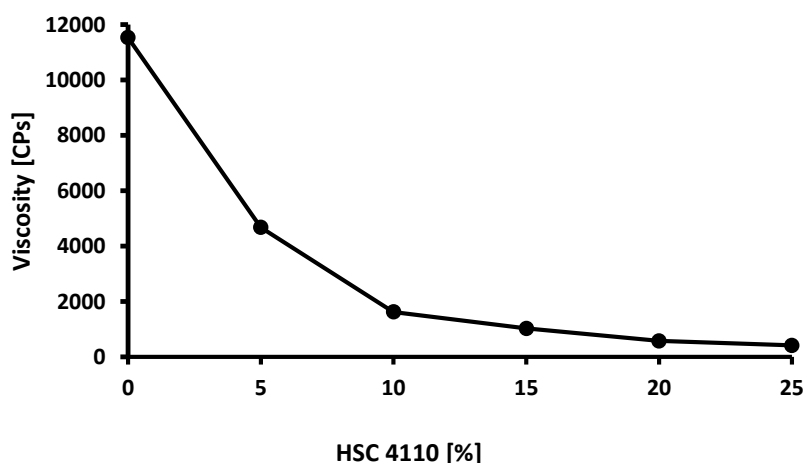
Epoxy flooring top coats, adhesives, metal and concrete primers

### Product Specifications

#### Diluent HSC 4110

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Viscosity @ 25°C	mPas	ASTM D2196	Max 10
Color	Gardener	ASTM D1544	Max 1
EEW	g/eq	HTP-7	290-310

### Typical Dilution Curve with JRE-187



## Epoxy Calculation Basics

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### Formula

EEW of mix  $\rightarrow 100 / (W1/EEW-1 + W2/EEW-2)$

e.g. EEW of HSC JRE-187 is 185

EEW of HSC 4110 is 300

Mix of 85/15 JRE-187 with 4110 is prepared,

Mix EEW is  $[100 / (85/185 + 15/300)] = 196$

### Storage Conditions

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Components should be stored away from light & heat. Partly emptied containers should be tightly closed immediately after use to avoid exposure to air and light. For information on waste disposal and hazardous products of decomposition in the event of a fire, refer to the Material Safety Data Sheets (MSDS) for these particular products. The shelf life is 12 months for all components.

### Disclaimer

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All recommendations for use of our products, whether given by us in writing, verbally or to be implied from results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility. Therefore, the Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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**For more information, please contact**  
**Hindusthan Speciality Chemicals Limited**  
Kanchenjunga, (7<sup>th</sup> Floor) 18, Barakhamba Road, New Delhi – 110001,  
Phone: 011-23310001-05  
Email- [sales.hscl@thehindusthangroup.co.in](mailto:sales.hscl@thehindusthangroup.co.in)  
Website: [www.thehindusthangroup.co.in](http://www.thehindusthangroup.co.in)

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