

## Hardener HSC 8291

### (Low Viscosity Modified Polyamide)

**Product Description** HSC 8291 is liquid cycloaliphatic amine adduct curing agent; it is used in combination with unmodified/modified liquid epoxy resins for self-levelling top coat applications. It offers medium pot life, good wetting ability and high gloss coatings.

**Features**

- Low color and color stability, High gloss in coatings, Low viscosity and good wettability, Negligible amine blush

**Applications**

- Suitable for formulating self-levelling top coats with various choice of resins.

### Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Color	Gardener	ASTM D 1544	Max. 1
Viscosity @ 25 °C	mPas	ASTM D 2196	50-150
Amine value	mg KOH/g	ASTM D2073	300-400
AHEW	g/ Eq	NA	79

Mix Properties	Units	Reference Standard	Value
Mix ratio with Epoxy Resin of EEW~185	Pbw	NA	Pbw
Mix Viscosity	mPas	ASTM D2196	1000-2000
Pot life (100gm) @ 25 °C	Minutes	ASTM D2471	40-60
Peak Exothermic Temperature 100g @ 25°C	°C	ASTM D2471	~125
Time to peak exotherm	Minutes	ASTM D2471	40
*Tack free dry of 2mm coat (35-38 °C)	Hours	NA	2-3
*Thorough dry of 2mm coat (32-35 °C)	Hours	NA	5-6
*Nail Dry	Hours	NA	Overnight
*2mm clear coat was applied on asbestos panel & drying time was observed at Room temperature, the filler/ pigment etc when added for final product shall make the difference in curing rate			

<b>Hardness of casting</b>	Shore D	HTP-22	70-80
<b>Color of Casting</b>	Visual	NA	Clear
HTP: HSCL Testing Procedure			
NA: Not Applicable			

## Processing and Storage

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**Packing** HSC 8291 available in bulk packing of drums and container in packing size of 190 kg and 30 kg.

**Safety & Handling** Following instructions needs to be followed strictly.  
 Keep working conditions clean. Allow fresh air in, if possible, provide ventilator.  
 Avoid contact with human body directly, wear gloves and other personal protective equipment especially dust masks or respirators.  
 Wash hands carefully with soap. If possible, wash with acetone and alcohol first, then soap and water.  
 In case of eye contact, wash with running water for 15 minutes and then seek medical treatment.  
  
 Refer MSDS for detail.

**Storage Conditions** 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 of HSC 8291 is 12 months.

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**Disclaimer**

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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