

Technical Data Sheet

Resin HSC 7250 / Hardener HSC 8430 (Civil Application)

Product Description

HSC 7250 low viscosity modified epoxy resin for various civil applications. HSC 8430 is low viscosity polyaminoamide hardener. The convenient mixing ratios and low mix viscosity of system permits good filler loading and exhibit great mechanical properties.

Features

- The system gives superior substrate wetting, long pot life, low exotherm and superior mechanical properties
- Low Shrinkage
- Excellent adhesion

Applications

- Flooring primer applications
- Maintenance of old civil structures by sealing crack
- Motor and Screed Application

Product Specifications

Properties	Units	Reference standard	Value	
			Resin HSC 7250	Hardener HSC 8430
Appearance	Visual	HTP-1	Clear Liquid	Pale brown Liquid
Colour	Gardener	ASTM D1544	Max 1	Max 9
Viscosity @ 25°C	mPas	ASTM D2196	500 - 700	500 - 1000
EEW	g/eq	ASTM D1652	180 - 190	NA
Amine Value	Eq/kg	ASTM D2073	NA	425 - 450

Product Performance Data

Mix Properties	Units	Reference standard	Value
Mixing Ratio	Pbw	NA	100:50
Mix Viscosity @ 25°C	mPas	ASTM D2196	500 - 900
Pot life 100g @ 25°C	Minutes	ASTM D2471	110 - 140
Peak exotherm temperature	°C	ASTM D2471	80 - 100
Surface dry time @ 25°C	Hours	ASTM D5895	2 - 3
Touch dry @ 25°C	Hours	ASTM D5895	4 - 6

HTP: HSCL Testing Procedure,
NA: Not Applicable

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Processing and Storage

Packaging

HSC 7250 is available in 230 kg HDPE drums, 110 kg and 30 kg HDPE carboys, 5 kg can, 1 kg bottles. HSC 8430 is available in 190 kg, 110 kg, 30 kg HDPE carboys, 5 kg can, 1 kg bottles.

Curing

Once Part A and Part B is mixed, colour change occurs after a set period of time. This is a normal phenomenon and does not affect the cured product properties.

Part A and B should be mixed gently otherwise bubble formation will occur.

Low temperature leads to long curing schedule and hence heat curing is advisable.

Storage Conditions

Part A & B should be stored away from light & heat. Partly emptied containers should be tightly closed immediately after use to avoid exposure to 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 24 months for HSC 7250 and 12 months for HSC 8430.

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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