

Technical Data Sheet

Resin HSC 7361 / Hardener HSC 8290 (Coating System)

Product Description

HSC 7361 is low viscosity modified epoxy resin for coating applications. Hardener HSC 8290 is formulated polyether amine. HSC 7361 / HSC 8290 is moderate reactivity system and provides high gloss and impregnation on surface of stone.

Features

- Slow reactivity leading to good resin absorbance
- Superior gloss and color retention
- Oven curing at < 50°C which ensure energy saving

Applications

- Coating applications

Product Specifications

Resin HSC 7361

Properties	Units	Reference standard	Value
Appearance	Visual	HTP-1	Clear liquid
Colour	Gardener	ASTM D1544	Max 1
Viscosity @ 25°C	mPas	ASTM D2196	800 - 1000

Hardener HSC 8290

Properties	Units	Reference standard	Value
Appearance	Visual	HTP-1	Clear liquid
Colour	Gardener	ASTM D1544	Max 1
Viscosity @ 25°C	mPas	ASTM D2196	Max 20

Product Performance Data

Mix Properties	Units	Reference standard	Typical Value
Mixing Ratio	Pbw	NA	100:30
Mix Viscosity @ 25°C	mPas	ASTM D2196	300

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Pot life 100g @ 25°C	min	ASTM D2471	340
Tack free Time @ 45°C	h	ASTM D5895	4
Hardness	Shore D	HTP-22	65-75
Cure Schedule	NA	NA	24 hours full cure

HTP: HSCL Testing Procedure, NA: Not Applicable

Processing and Storage

Packaging	HSC 7361 is available in 110 kg and 30 HDPE carboys, 5 kg can, 1 kg bottles. HSC 8290 are available in 33 kg HDPE carboys, 9 kg can, 1.5 kg and 0.3 bottles.
Application Procedure	1. Clean the surface of stone for dust, dirt and other particles by proper washing, slight solvent wipe up also helps 2. Pre-dry in oven for removal of moisture 3. Mix the resin and hardener and apply properly on surface of marble 4. Apply vacuum for 3-4 minutes for proper levelling 5. Cure the stone in oven at required temperature 6. Polish after minimum 24 hours
Mixing	1. Mix resin and hardener slowly as very fast mixing results in air bubbles which results in developing of pin holes on surface of marble. 2. Ambient conditions may change the curing schedule, it is very difficult for the system to cure below 15°C and excessive humidity of order of over 80RH.
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 both Part A and Part B.

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