GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

SYNTEVEN 430

Product description

SYNTEVEN 430 is a styrenic unsaturated polyester resin, amine promoted, with very high reactivity and high stability properties.

Application

SYNTEVEN 430 is used as binder for adhesives, highly filled knifing fillers and putties for marble and stone.
It can be used in combination with other resins, for instance SYNTEVEN 435, 440, 441, 442, 443, to increase their hardness.

Properties

SYNTEVEN 430 is a cold-curing resin, even at very low temperatures. After addition of benzoyl peroxide (BPO) it yields a pale and hard polymer. Fillers and hard adhesives based on SYNTEVEN 430 cure fully both applied in thick and thin coats and they are particularly suitable for the applications where short times for sanding and polishing processes are required. Combinations of talc, dolomite/calcite and powdered barytes with low iron content are suitable as extenders, with talc as the main component because it improves the adhesion to the substrate. The more spherical extenders such as dolomite, chalk and barytes ensure dense packing.

Specification

Property	Range	Unit of measure	Norm/Method
Iodine colour value	max 15,0		GA 002.1
Acid value	20,0 -30,0	mg KOH/g	GA 004.1
Viscosity at 23℃	700 – 950	mPa·s	GA 005.1
Non-volatile content	62,5 - 65,5	%	GA 006.1

Additional properties*

Property	Range	Unit of measure	Norm/Method
Density at 20℃	appr. 1,11	g/ml	DIN 53217/2
Curing properties: (50,0g Resin, 1,0g BPO 50%)			GA 019.10
Time from 25℃ to 35℃	appr. 5,0	min.	
Time from 25℃ to peak	appr. 8,0	min.	
Peak exotherm	appr. 140	℃	
Stability at 25℃	6	months	

*These values provide general information and are not part of the product specification.

Storage

The resin should be stored indoors, in the original packaging, at temperatures between 5℃ and 30℃ .E xposure to direct sunlight should be avoided. The properties of the product might change during storage.

Safety : Please consult the Safety data sheet before working with this product.

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