

GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

SYNTEVEN 441

Product description

SYNTEVEN 441 is a styrenic DCPD-modified unsaturated polyester resin, amine promoted, with high reactivity and high stability properties.

Application

SYNTEVEN 441 is used as full binder for highly filled knifing fillers for metal, wood and mineral substrates.

Properties

SYNTEVEN 441 is a cold-curing resin, even at very low temperatures. After addition of benzoyl peroxide (BPO) it yields a middle hard polymer. Fillers based on SYNTEVEN 441 cure fully both applied in thick and thin coats and they are particularly suitable in the field of car body repairing. 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

<u>Property</u>	<u>Range</u>	<u>Unit of measure</u>	<u>Norm/Method</u>
Iodine colour value	max 25,0		GA 002.1
Acid value	4,0 - 10,0	mg KOH/g	GA 004.1
Viscosity at 23°C	400 – 600	mPa·s	GA 005.1
Non-volatile content	63,0 - 65,0	%	GA 006.1

Additional properties*

<u>Property</u>	<u>Range</u>	<u>Unit of measure</u>	<u>Norm/Method</u>
Density at 20°C	appr. 1,15	g/ml	DIN 53217/2
Curing properties: (50,0g Resin, 1,0g BPO 50%)			GA 019.10
Time from 25°C to 35°C	appr. 8,5	min.	
Time from 25°C to peak	appr. 11,5	min.	
Peak exotherm	appr. 105	°C	
Stability at 25°C	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°C and 30°C. Exposure 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.

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production. Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.

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