GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

<u>**SYNTEVEN 440**</u>

Product description

SYNTEVEN 440 is a styrenic DCPD-modified unsaturated polyester resin, amine promoted, with high reactivity and high stability properties.

Application

SYNTEVEN 440 is used as full binder for highly filled knifing fillers for metal, wood and mineral substrates.

Properties

SYNTEVEN 440 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 440 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

Property	Range	Unit of measure	Norm/Method
Iodine colour value	max 15,0		GA 002.1
Acid value	5,0 -15,0	mg KOH/g	GA 004.1
Viscosity at 23°C	350 – 450	mPa·s	GA 005.1
Non-volatile content	61,0 - 64,0	%	GA 006.1

Additional properties*

Property	Range	Unit of measure	Norm/Method
Density at 20°C	appr. 1,12	g/ml	DIN 53217/2
Curing properties:			GA 019.10
(50,0g Resin, 1,0g BPO 50%)			
Time from 25°C to 35°C	appr. 8,5	min.	
Time from 25°C to peak	appr. 12,5	min.	
Peak exotherm	appr. 100	°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 .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.