TECHNICAL DATA SHEET

GSV-A – VINYLESTER CONDUCTIVE TOOLING GELCOAT

This type of gelcoat with electrical conductive properties, is produced with vinylester resins which have a high resistance to chemical agents and excellent mechanical properties.
The use of the GSV-A tooling gelcoat is particularly recommended for the production of high-tech moulds and artifacts.
The innovation is a gelcoat electrically conductive by carbon nanotubes, which minimizes dust adhesion, reduces demoulding problems and protects people and material from electrical shocks.
When properly grounded, static electricity can be dissipated due to its conductive properties.
The mould must not be put into service before the gelcoat has reached a hardness index of at least 35 barcol. The minimum temperature during treatment and after treatment should be at least 18°C.
GSV-A might appear thick, almost as a gel consistency, when the pail is opened.
By stirring, the thixotropy will reach the values corresponding to the product data sheet.

GENERAL INSTRUCTIONS FOR USE

The tooling gelcoat GSV-A is pre-accelerated and thixotropic.
Available in the version: **S**-SPRAY (code: GSV10S-A / GSV20S-A)
Colors: 10-green / 20-black
Packaging of 20 kg.
Recommended peroxide percentage (MEKP): 2%.
Dry film thickness: 0,7 – 0,9 mm.
Recommended application distance: 50cm.
Apply a test sample of the tooling gelcoat before the main operation, to ensure you get a good result.

STORAGE

→ To ensure maximum stability and maintain optimal resin properties, resins must be stored in closed containers at temperatures below 24°C, away from sources of heat and sunlight.
→ The product must be heated to at least 18°C prior to use, to ensure proper curing and handling.
→ All storage areas and containers must comply with local fire and building codes.
→ Copper or copper-containing alloys should be avoided as containers.
→ Store the product separated from oxidizing materials, peroxides and metal salts.
→ Keep containers closed when not in use. In its original packaging, the product can be used for **3 months**.

PHYSICAL DATA IN THE LIQUID STATE AT 20°C

Property	Value	Unit	Method
Viscosity: (Brookfield RVT: sp.4/4 rpm)	19000 - 25000	mPa.s (cP)	I-MIA 10
Density	1,0 – 1,2	g/cm^3	I-MIA 02
Flash Point	32	°C	ASTM D 3278-95
Gel Time (2 % MEKP)	10 – 20	Minutes	I-MIA 15
Styrene Content (Approx.)	45 – 50	%	I-MIA 03

SAFETY

See product SDS before working it.

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