

Material Information



Product Name: topsecure Security varnish (TSS)

Valid for

Material Numbers: 8x xx xx ff

Version 1.3_E

Release date 04/20/2015

General Description:

This is a safety varnish that can be used for sealing, as well as for securing bolts and nuts. With one (or more) safety features inside, TSS Security varnish can be used for *proof authenticity of products as well as opening detection or a combination of these applications. The TSS Security varnish offers different levels of security, because of a variety of security features.

Because of its ruggedness TSS Security varnish can be used as proof of opening and / or *authenticity protection in harsh environments, such as the vehicles engine cabinet, at train or ship technology. A first-identification of the TSS Security varnish is possible directly on the object, by using one (or more) of the offered identification tools.

In the version TOPSecure, an exclusive and protected Security Code is used, which makes the Security varnish customized and unique. With TOPSecure, the user is able to identify his unique and specific Security varnish clearly and can demonstrate the integrity of a sealing or the originality of a product.

Colors: blue / white / yellow / green / red / grey / transparent available

Density: ca. 1,05 g/cm³ (bei 20°C)

Viscosity: > 60 s (ISO 6 mm) (bei 23°C)

Solvent content:

organic solvent < 70%

*Filler: Melamin and resin compound

*Filling ratio: 1% / 3% / 5%, others available on request

(*Information valid for exclusively security level)

Instruction for use:

The substrate on which the TSS Security varnish is to be applied must be clean, solid and dry, free of grease and oil. The TSS Security varnish can be used on the most metallic surfaces and many other substrates. The TSS Security varnish has a high viscosity and can be applied by brush or dispenser. Depending on the type and number of application (s), layer thicknesses of about 0.17 mm to several mm thickness can be realized. Processing temperature for the application > 5 ° C.

Desiccation / Hardening: The TSS Security varnish dries in air. Drying time varies, depending from thickness of layer, from some hours to some days. Warm air accelerates the hardening process.

Resistance: The TSS Security varnish is, after proper application and hardening at substrate resistant to:

+ Action of power steam jet	-	1 min. **	no change
+ Exposure to Diesel	-	30 min. ***	no change
+ Exposure to gasoline	-	30 min. ***	no change
+ Exposure to diluted acids and alkalis			

** at 150 bar pressure steam, 40 cm distance, 160° swivel angel

*** applied with the liquid-wetted cotton cloth

Temperature resistance: - 40°C up to +130°C (in hardened condition)

Durability: In cool and frost-free environment condition, in glass or metal container up to 1 year, in plastic container or plastic cartridge about 6 months.

Handling / storage / disposal: Note Material Data Sheet 1907/2006/EG – REACH (DE)

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