Tectyl™ 5660W FR

Premium water based, Fire Resistance Sound Damping underbody coating

Tectyl 5660W FR is a high non-volatile, filled, waterborne, thixotropic, quick drying, fire resistance corrosion preventive compound. Tectyl 5660W FR is developed as an abrasion resistant, sound damping underbody coating for buses, truck cabins, trains and trams where EN 45545 HL2 classification is required. It is also suitable for complete undercoating of containers, trailers, etc. Tectyl 5660W FR cures to a dark-grey, colored, abrasion resistant, resilient and tough film. Tectyl 5660W FR is highly effective in reducing vibrational resonance conditions in structures such as sheet metal panels, floor housings, stainless sinks, and a multitude of other applications. Tectyl 5660W FR will dissipate structure-borne vibrational energy and reduces radiated air-borne noise. Tectyl 5660W FR is water based, non-toxic, non-flammable, and odorless and exhibits exceptional aging characteristics.

Approvals / Performance Levels

Tectyl™ 5660W FR	
Recommended Dry Film Thickness over metal profile	2000 µm
Salt Spray Salt Spray; 5 % NaCl @ 35°C; ISO 9227 NSS (Q-Panels, Type R, ASTM A1008)	min. 42 days
Humidity Humidity; 100 % RH; @ 40°C; ISO 6270-2 CH (Q-Panels, Type R, ASTM A1008)	min. 100 days
Weathering Resistance PASS (ISO 4892-3)	2000 hours
Stone Chipping Resistance VDA 508	20 kg
Fire Approval DIN EN 45545-2	HL-2 pass
Vibration Damping ASTM 756	0.16
Protection Indoor (min. months)	min. 36
Protection Outdoor (min. months)	min. 21

Applications

Surface Preparation

The maximum performance of Tectyl 5660W FR can be achieved only when the surfaces to be protected are clean, dry and free of rust and oil and a substrate temperature of 10-35 °C at the time of product application. Depending on the quality of (non-galvanized) steel, aluminum or alloy- substrate to be applied, test or consult CorPro for the suitability of a direct to metal application, or if a primer protected surface may be preferred.

Application

Tectyl 5660W FR is formulated to be used as supplied. Ensure uniform consistency prior to use. Due to its composition Tectyl 5660W FR can be subject to postproduction viscosity changes. For application Tectyl 5660W FR CorPro recommends airless spraying with a slow moving, stainless steel piston pump mounted in a pneumatic ram and fitted with a following plate, with a ratio of 45:1 till 63:1, a flow per double stroke of at least 150 ml. For the spraygun a minimum inlet pressure of 245 bar and reversible nozzle with an orifice of 0.025" minimum and 40° angle. Details on application can be found in the application chart.

Removal

Tectyl 5660W FR and spray equipment can in the wet phase be removed with water and diluted Tectyl Biocleaner. When dried and cured, Tectyl 5660W FR can not be removed.

Features & Benefits

Multi-functional on multiple substrates

The coating can also be used on different substrates, like the metal chassis, but also other materials, such as wooden undersides of a camper, caravan or trailer.

Efficient and effective

Offers an efficient and effective alternative to solvent-based sprayable damping products.

Superior fire protection and sound damping

The product has EN 45545 HL2 classification and good sound damping properties.

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Tectyl™ 5660W FR

Trusted since 1930

Since 1930, Tectyl™ protective coatings have been extending the operational life of cars, trucks, buses and other vehicles and equipment. The Tectyl name is synonymous with quality coatings that are easy to apply, long-lasting and easy to remove when no longer required.

For more information on Tectyl products, programs and services please visit www.tectyleurope.com.

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office.

Protect the environment

Comply with local regulations. Do not discharge into drains, soil or water.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Tectyl specifications, variations in these characteristics may occur.

Tectyl™ 5660W FR	
Density @ 20°C	1.35 kg/ltr
Viscosity (Brookfield @ 20°C) @ 20 RPM	55000 mPa·s (cP)
Non Volatile Weight	66%
Dry to Touch @ 20°C	240 - 300 minutes
Cure Time @ 20°C	24 hours
Storage Temperature	10 - 35°C
pH @ 20°C	8.8
VOC Content ISO 11890–2 (10.4)	1 g/ltr
Theoretical Coverage @ Recommended DFT	0.33 - 0.44 sqm/ltr

https://tectyleurope.com

Storage

Tectyl 5660W FR should be stored at temperatures between 10-35 °C. Do not freeze Tectyl 5660W FR. Mild agitation is recommended prior to use. Due to its composition Tectyl 5660W FR-W can be subject to postproduction viscosity changes during storage. Under proper storage conditions Tectyl 5660W FR is best before 12 months after production date.

Caution

Refer to the Safety Data Sheet for additional handling and first aid information.

Note

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus affecting the performance of this coating as stated in the Typical Properties section. If a primer, other than a CorPro recommended product is required, written authorization must be obtained from CorPro.

State of the information

November 09, 2026

Validity

This information only applies to products manufactured in the following regions: Europe

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