

TECTYL 5638W

Description

TECTYL 5638W is a water dispersed special filler/binder, sound damping compound and is **free from organic solvent**.

TECTYL 5638W is very suitable for industrial application on cars, trains, and other rolling equipment.

TECTYL 5638W can also be used for sound reduction on vehicle parts (doors, hoods, gear coverings, etc.), air ventilation systems, containers (for glass, garbage, etc.), machine constructions and boiler covers in the heating sector.

TECTYL 5638W can be applied with a spatula or with special spray equipment.

TECTYL 5638W can be painted over, when dry, with synthetic resin-, epoxy- and PVC-based paints

TECTYL 5638W is fast drying (by evaporation of water) to a black, hard film.

Typical Properties

Flashpoint; PMCC	None	°C
Specific Gravity @ 20°C	1.25	kg/ltr
Recommended Wet Film Thickness	Depending on desired sound damping effect: 2 - 5 kg/m ²	
Non Volatile	79	weight %
Volatile Organic Content (VOC) (ASTM D-3960)	6.8	g/l
<u>Viscosity; (EpprechtRheomat, MS4), @ 20°C</u> (at time of manufacture)		
@ 200 RPM:	9 000	mPa.s (cP)
pH – value @20°C:	7	
Dry Time @ 20°C / 50% R.H.:	For a thickness of 4 mm wet, ± 20 hours (40°C = 8 hours, 60°C = 3 hours, drying temperatures up to 80°C are possible).	
Acoustic properties (DIN 5340): (Depending on the thickness applied)	'Oberst' sound loss factor of 0.1 to 0.3 A sound loss factor of 0.1 is generally considered adequate.	
Fire Properties tested according to DIN 54837 @ 1mm DFT on a steel sheet*:	DIN 5510-2 Classification: S4, SR2, ST2	
Chemical resistance @ 20°C:	Aliphatic solvents, oils and water.	

* 2005, DIN 54837 test details available on request

This information only applies to products manufactured in the following location(s): Europe

Effective Date:
June 19, 09

Replaces:
Apr. 15, 09

Author's Initials:
RAMVT

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The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by Ashland or others is not to be inferred from any statement contained herein.

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Surface Preparation:

The maximum performance of **TECTYL 5638W** can be achieved only, when the surfaces to be coated are clean, dry and free of rust, oil and mill scale. Valvoline recommends that the metal substrate temperature be 20-25 °C at the time of product application.

Non-galvanized steel and raw aluminium must be protected with an anti-corrosion inhibited primer prior to application of **TECTYL 5638W**.

Application:

TECTYL 5638W is formulated to be used as supplied. Ensure uniform consistency prior to use. Avoid contamination with other products in pumps and lines. Valvoline recommends that the ambient and product temperature be 20-25 °C at the time of product application. To small areas **TECTYL 5638W** can be applied with a spatula. For larger areas **TECTYL 5638W** spraying is advised. Valvoline recommends the use of a stainless steel pressure vessel (max. 8 bar pressure). Use the bottom outlet with a 1/2" connection; a 3/4" hose with a maximum length of 10 mtr, whip-end of 1 mtr 3/8", airspray-gun with a nozzle of at least 2.8 mm orifice (a non-H.V.L.P gun)

DO NOT FREEZE **TECTYL 5638W** while curing.

Removal:

When in the wet phase **TECTYL 5638W** can be removed with (hot) water. When dry, **TECTYL 5638W** can only be removed with Ethyl Acetate.

Storage:

TECTYL 5638W is NOT frost resistant! **TECTYL 5638W** should be stored at temperatures between +15 and +35 °C. Packs with product should be protected from direct sunlight and heat. If kept cool and dry the original, unopened packs can be stored for 1 year.

DO NOT FREEZE **TECTYL 5638W**.

Under proper storage conditions **TECTYL 5638W** can have a shelf life of 1 year minimum.

Caution:

Adequate ventilation is required for drying THE (PARTIALLY) CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT OR TORCHES. Refer to Valvoline's Material 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 Valvoline recommended product is required, written authorization must be obtained from Valvoline.

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