

# TexNov



## TEX-VERMI

### *Ceiling coating*

**TexNov Tex-Vermi** is an acrylic coating for interior and exterior ceilings, applicable with a gravity gun. It is a resin based coating with inorganic pigments, marble aggregates, vermiculite, titanium pigments, additives, fungicides, and high performance stabilizers.

It is designed to be applied using a gravity gun. It is recommended to apply two layers to obtain better results.

**TexNov**

Acrylic Coatings  
Manufacturer

# TEX-VERMI

*Ceiling coating*

## 1- Product Description

**TexNov Tex-Vermi** is an acrylic coating for interior and exterior ceilings, applicable with a gravity gun.

**TexNov Tex-Vermi** is a 100% acrylic resin based coating with inorganic pigments, marble aggregates, vermiculite, titanium pigments, additives, fungicides, and high performance stabilizers.

## 2- Covered area

A pail of 18.9 L covers about 100 ft<sup>2</sup> (9 m<sup>2</sup>).

## 3- Preparation

**TexNov Tex-Vermi** is a pre-mixed product. At the time of use, thoroughly mix contents by using a drill with a paddle mixer.

## 4- Application

**TexNov Tex-Vermi** must be applied when the ambient temperature is above 5°C (41°F) prior to, and for 24 hours after application.

**TexNov Tex-Vermi** is designed to be applied using a gravity gun. It is recommended to apply two layers to obtain better results.

## 5- Installation

**Temporary protection:** As long as the finishing coat and drying have not been completed, protect the wall against weather and other possible damage. If the temperature is below 5°C (41°F), it is important to keep the heat to a minimum or more.

**Surface Preparation:** The surface must be clean and free of grease, oil or other products that may impair the adhesion of the coating. The application of a layer of **TexPro FlexTex** is mandatory to obtain the necessary opacity. The application of **TexPro FlexTex** also allows to delay the drying of the finishing plaster during intense heat.

**TexNov Tex-Vermi** should be applied away from the fiery sun and inclement weather. The ambient air, plaster and surface temperature must be greater than 5°C (41°F) during application and 24 hours after application.

Visible imperfections after basecoat drying should be sandblasted.

**Cleaning:** The tools used to apply the **TexNov Tex-Vermi** coating can be cleaned with water while the product is still wet.

## 6- Storage

**TexNov Tex-Vermi** should be stored at 5°C (41°F) or above in tightly sealed containers. Keep away from frost. Product lifetime is of 1 year.

## 7- Transport conditions

Shipping Name: Not applicable.

TDG Classification: Not regulated.

*Note: This product requires no special measures for International Transport*

<b>TexNov Tex-Vermi mixture properties</b>	
VOC (Volatile organic compounds in g/L) Calculated	19

<b>TexNov Tex-Vermi performance</b>	
<b>Test Requirement</b>	<b>Result</b>
<b>Laminate adhesion *1</b> <b>CCMC 5.3.3 / ASTM D1623</b> ≥ 0.1 MPa	0.43 MPa
<b>Vapor permeability on laminated surfaces (1 inch)</b> <b>ASTM E-96</b>	10.0 perms
<b>Laminate water absorption *1</b> 48 h CCMC 5.3.6 ≥ 20 %	11.8 %
<b>Resistance to accelerated aging</b> <b>CCMC 5.4.6/ASTM G154</b> No adverse effects 2000 h	Successful
<b>Laminate sustainability to cyclical environmental conditions *1</b> <b>CCMC 5.5.2 / ASTM E331</b> No adverse effects	Successful
<b>Resistance to mold</b> <b>CCMC 5.3.7/ASTM C1338</b> No mold growth	Successful
<b>Waterproofing 2h CCMC 5.3.5</b> ≥ 90 % waterproof	Successful
<b>Wind Load ASTM E-330-7</b>	100 PSF
<b>Saline air ASTM B117 (hours)</b>	5 % - 300
<b>Freeze-thaw ASTM C292-MDF</b>	60 cycles

\*1 Laminate = **TexPro Base Express + TexNov Tex-Vermi**

\*2 Test performed at **TexNov** laboratory according to ASTM guidelines

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p><b>Name:</b> TexNov Tex-Vermi  <b>Description:</b> Water-based acrylic finish coat.  <b>Restriction of use:</b> Sanding or grinding the dried product emits dangerous dust.</p>	<p><b>TexNov inc.</b>                      839 Joseph-Louis-Mathieu                      Sherbrooke, Québec, Canada J1R 0X3  <b>Emergency Phone Number :</b> 1 877 316-6388</p>

## SECTION 2 - HAZARD IDENTIFICATION

### Pictograms



### Warning statements

DANGER

### Product classification

Specific target organ toxicity – repeated exposure – Category 1

### Hazard statements

Causes damage to organs (liver, spleen, kidneys, lymph node) after repeated exposure or prolonged exposure.

### Precautionary statements

**Prevention:** Do not breathe dust / fume / gas / mist / vapors / spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

Wear gloves and safety glasses. Use in a well-ventilated area. Inhalation of sanding dust or grinding of the dry product may be harmful. These dusts can cause irritation to the respiratory tract and can damage organs (lungs). This product contains ingredients that are considered carcinogenic if transformed into dust.

**Intervention:** Consult a doctor if you feel unwell.

**INGESTION:** Call Poison Control Center or doctor immediately. Do not induce vomiting unless advised by the doctor. **EYES:** Immediately flush with plenty of water for 15 minutes, occasionally lifting the eyelids. **SKIN:** wash with soap and water. Take off immediately all contaminated clothing. **INHALATION:** If person is not breathing, give artificial respiration and seek medical attention. If breathing is difficult, remove victim to fresh air.

**STORAGE:** Store at 5 to 30°C in a closed plastic container. Keep away from frost.

**DISPOSAL:** Dispose of contents and container in accordance with local regulations.

## SECTION 3 - COMPOSITION / INFORMATION ON THE COMPONENTS

Ingredient	CAS number	% (weight/weight)
Crystalline silica (Quartz)	14808-60-7	10-30
Titanium dioxide	13463-67-7	0.1 - 5

The crystalline silica (quartz) and the titanium dioxide content of the product are considered encapsulated or embedded in the binder polymer and not bio-accessible by inhalation in normal use of the product. Based on current knowledge and applicable concentrations, there are no other ingredients in this product that are classified as hazardous by GHS and that should be reported in this section.

**SECTION 4 - FIRST AIDS**

**Eye contact:** Flush eyes with water. Consult a physician if irritation persists.

**Skin contact:** Soap and rinse exposed area thoroughly. Consult a physician if irritation persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless prompted by medical advice. Do not swallow anything to an unconscious person.

**Inhalation:** Move the person to a well-ventilated area. Consult a doctor if headaches persist.

**SECTION 5 - MEASURE IN CASE OF FIRE**

**Non-flammable product, but it may splash if heated above boiling point.**

**Combustion product:** If the product is heated to combustion, after the release of water vapor, carbon oxides will be emitted.

**Use the appropriate extinguisher.**

**SECTION 6 - MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL DISPERSION**

**Pick up all the dispersion with a shovel and eliminate the discards. Do not send the dispersion into the sewer, occurs can clog the piping.**

**SECTION 7 - HANDLING AND STORAGE**

**Handling safety precaution:** Do not eat, smoke or drink in the work area. Wash hands after handling. Avoid contact with hands and eyes.

**Storage safety conditions:** Keep in a dry place away from frost and sunlight. The product may coagulate. The storage temperature is 5 to 30°C. Keep in a closed plastic container.

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

**CONTROL PARAMETERS:**

**Occupational Exposure Limits:** Sanding or grinding this product in its dry form may produce particles of titanium dioxide and crystalline silica.

Breathable dust	RSST		ACGIH TLV	
	VEMP	DIVS	TWA	STEL
Crystalline silica (Quartz)	0.1 mg/m <sup>3</sup>	50 mg/m <sup>3</sup>	0.025mg/m <sup>3</sup>	Not available
Titanium dioxide	Not available	5000 mg/m <sup>3</sup>	10mg/m <sup>3</sup>	Not available

*RSST : Regulation respecting occupational health and safety; VEMP : Weighted average exposure value*

*DIVS : Immediate danger to life and health; ACGIH : American Conference of Governmental Industrial Hygienists*

*TLV : Threshold limit value; TWA : Time-weighted average; STEL : Short-term exposure limit*

**Individual protection measures**

**Respiratory protection:** Wear appropriate respiratory protection if dusts / fumes / gases / mists / vapors / aerosols are possible above permissible limits. Use in a well ventilated place.

**Eye Protection:** To reduce exposure, wear safety glasses.

**Hand protection:** To reduce exposure, wear gloves. Wash your hands thoroughly after using the product. Do not eat, drink or smoke when handling this product.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Creamy white liquid or colored as needed.

**Odor:** Low odor of ammonia.

**Odor threshold:** Not available

**pH:** 8-9.

**Freezing point:** 0°C  
**Boiling point:** 100°C.  
**Evaporation rate:** Not available.  
**Flammability (solid and gas):** Not applicable.  
**Explosive limit:** Not applicable.  
**Vapor pressure:** Not available.  
**Vapor density:** Not available.  
**Relative density:** 1,4.  
**Solubility in water:** may be diluted with water.  
**Partition coefficient n-octanol / water:** Not available.  
**Auto-ignition temperature:** Not applicable.  
**Decomposition temperature:** Not available.  
**Viscosity:** 57000 mm<sup>2</sup>/s (converted from measurement on Brookfield).

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical stability:** This product is considered stable under recommended storage conditions.  
**Reactivity:** Incompatible with strong oxidants and strong acids.  
**Possibility of hazardous reactions:** This product can not polymerize.  
**Hazardous decomposition product:** If the product is heated to combustion, there will be emission of carbon oxides.

**SECTION 11 - TOXICOLOGICAL DATA**

**Routes of entry:** This product may be absorbed through the respiratory, digestive and cutaneous routes.

**Acute toxicity (calculated GHS):**

Product	DL <sub>50</sub> oral, mg/kg	DL <sub>50</sub> cutaneous, mg/kg	CL <sub>50</sub> , mg/L
TexNov Tex-Vermi	> 10000 (rat)	> 10000 (rabbit)	> 100 (rat)

**Skin irritation:** Virtually nil. An irritation of a mechanical nature is possible.  
**Irritation of the eyes:** Not important. An irritation of a mechanical nature is possible.  
**Respiratory or skin sensitization:** Virtually zero.  
**Specific target organ toxicity:** Causes damage to organs (liver, spleen, kidneys, and lymph node) after repeated exposure or prolonged exposure. Extract from the toxicological index linked to this mention: A very small proportion of silica can pass into the bloodstream in the form of silicic acid. The latter can be deposited in the liver, spleen and lymph nodes. The silicic acid is then excreted unchanged via the kidneys.

**Carcinogenicity:**

The sanding or grinding of this product in its dry form can produce particles of crystalline silica and titanium dioxide which are considered carcinogens classified 2B and 1 respectively according to IARC. Repeated inhalation of crystalline silica can cause lung damage and silicosis.

Ingredient	CIRC	ACGIH	NTP
Crystalline silica (Quartz)	Group 1	Group A2	K
Titanium dioxide	Group 2B	Group A4	N

*CIRC : International Center for Research on Cancer. Group 2B : May be carcinogenic to humans. Group A4 : Non-classifiable substance as a carcinogen to humans. NTP : National Toxicology Program; N : Negative.*

**Reproductive toxicity:** none.  
**Germ cell mutagenicity:** none.

**SECTION 12 - ECOLOGICAL DATA**

**Ecotoxicology:** Not available.

**Bioaccumulative potential:** Not available.

**Volatile organic compounds (V.O.C.):** ≤ 100g / L.

**SECTION 13 - DATA FOR DISPOSAL OF THE PRODUCT**

Dispose of releases in according to Municipal, Provincial and National Regulations.

**SECTION 14 - TRANSPORT INFORMATION**

**Shipping Name:** Not Applicable.

**TDG Classification:** Not Regulated.

**WHMIS 2015 Classification:** Specific target organ toxicity, repeated exposure, Category 1

**The product classification and SDS have been developed in accordance with the HPR.**

**SECTION 16 - OTHER INFORMATION**

**SDS prepared by:** TexNov inc.

**Emergency telephone number:** 1-800-688-5990

**Revision Date:** 2023-07-01

**Warning:** The information and recommendations contained in this document have been written to the best of knowledge and technical data collected by **TexNov inc.** at the time of the revision. This document is intended to inform users of the product about the precautionary measures when using the product. No warranty is given on the properties mentioned on the products. No liability will be assumed for cases of misuse of the product or failure to observe the safety instructions contained in this document.