

TexNov



TEXPRO FLEXTEx

Acrylic coatings of different textures

FlexTex is a group of acrylic finishing coatings for use on ceilings or exterior and/or interior walls. Specially designed to be applied on **TexPro** base coats such as: **FlexBase**, **Base Express** etc. It provide a decorative, durable and protective layer.

Manufactured in the form of a premixed and colored paste, the coating is ready for application. Its formula allows it a perfect adhesion and a very high resistance to alkalis.

TexNov

Acrylic Coatings
Manufacturer

TEXPRO FLEXTEx

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1-Product description

FlexTex is a group of acrylic finishing coatings for use on ceilings or exterior and/or interior walls. Specially designed to be applied on **TexPro** base coats such as: **FlexBase, Base Express** etc. Colors are an integral part of these wallcoverings and provide a decorative, durable and protective layer. Manufactured in the form of a premixed and colored paste, the coating is ready for application. Its formula allows it a perfect adhesion and a very high resistance to alkalis. Available in different colors.

FlexTex is a 100% acrylic resin based coating with inorganic pigments, marble aggregates, titanium pigments, fungicides, preservatives and high performance stabilizers. **FlexTex** coatings are made of lightweight material, with zero toxicity, free of asbestos fibers and are permeable to water vapour.

Here are the different textures of **FlexTex**:

- **FlexTex 1.0 mm:**
interior and exterior wall (fine grain)
- **FlexTex 1.5 mm:**
interior and exterior wall (granulated)
- **FlexTex Sand:**
interior and exterior wall (sandblasted, without rib)
- **FlexTex Europa:**
interior and exterior wall (smooth, 2 layers)

Features	Benefits
Good UV resistance	No yellowing
Factory-tinted color	Uniform color
Adequate vapor permeability	Walls "breathe"
Ecological materials	Respect for the environment

2-Area covered

The surface covered depends on the texture of each **FlexTex**. An 18.9L container covers approximately:

- **FlexTex 1.5 mm:** 31kg
130 and 150 ft² (12 and 14 m²)
- **FlexTex 1.0 mm:** 29 kg
FlexTex Sand: 29 kg
FlexTex Europa: 28 kg (2 layers for the Europa):
140 and 160 ft² (13 and 15 m²)

3-Mix

Thoroughly mix the topcoat in its original container. Using a high-speed stainless steel mixer, stir the material until smooth. Depending on the type of finish, you can add TexPro thinner or clear, clean water to facilitate its application if necessary. Do not add too much water which could make it difficult to apply the product and affect its performance, maximum of 500 ml (2 cups) per container.

4-Installation

Surface preparation:

The surface must be dry, clean and free of grease, oil or other products that may affect the adhesion of the coating. Any visible surface imperfections must be corrected prior to application of the topcoat. The basecoat should be sanded as needed. Applying a coat of FlexRoll is recommended before applying **FlexTex** (especially for bright, dark, light colors and fine textures). The application of FlexRoll also makes it possible to delay the drying of **FlexTex** in periods of intense heat.

FlexTex Europa only: Imperfections visible after the basecoat has dried must absolutely be sanded. The base coat should be smooth and flawless.

Application:

When applying **FlexTex** coating, ambient air and surface must be above 4°C (39°F) and maintained for 24 hours after application. Avoid application in direct sunlight, during periods of excessive heat and during bad weather.

The **FlexTex** coating: designed to be applied with a trowel or with a gravity gun. Using a steel trowel for rolling will give a more uniform finish while a plastic trowel will give a more textured finish.

Spread an even coat and smooth to a thickness equal to the size of the largest aggregate. The topcoat should be applied evenly, keeping the wet side for an even finish. The top coat should completely hide the base coat. The textures are obtained by varying the movements of the trowel, for example by spanking figures of 8 with the trowel. Do not forget that the texture can change the color.

FlexTex Europa only: *Must be applied in two coats of uniform thickness and without trowel marks. Wait until the first layer is completely dry before the second. The second layer should be rolled with a plastic trowel.*

Temporary protection:

As long as the application of the finishing coat and the drying (24 hours) has not been completed, protect the wall against bad weather and other possible damage. It is important to heat if the outside temperature is less than 4°C (39°F).

Drying:

The time required for drying may depend on atmospheric conditions. Wet and cold temperatures contribute to extended drying time. Under normal weather conditions, it takes 24 hours.

FlexTex Performance and Features	
Test Requirement	Result
Laminate Adhesion ASTM D1623 ≥ 0.1 MPa	0.43 MPa
Vapor Permeability ASTM E-96	10.0 perms
Laminate water absorption 48h $\geq 20\%$	11.8%
Resistance to accelerated aging ASTM G154 No adverse effects 2000h	Pass
Laminate Durability Environmental Conditions ASTM E331 No Adverse Effects	Passed
Volatile Organic Compound Content (Calculated VOC)	≤ 19 g/L
Mold Resistance ASTM C1338 No Mold	Passed
Laminate water tightness 2h $\geq 90\%$ waterproof	Passed
Wind Load Resistance ASTM E-330-7	100 PSF
Resistance to salt air ASTM B117 (hours)	5% -300h
Freeze-Thaw Resistance ASTM C292-MDF	60 cycles

Laminate = FlexBase + FlexTex / Tests carried out at the Texnov laboratory according to ASTM guidelines

5-Product storage

FlexTex should be stored in an appropriate container in a place where the temperature is between 4 and 21°C (39 and 68°F), out of direct sunlight, off the ground and in a cool, dry place. Store away from frost. The product life is 1 year.

6-Conditions of transport

Shipping name: Not applicable.
TDG classification: Not regulated.

Note: This product does not require any special measures during international transport.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
Name: FlexTex Description: Acrylic coatings of different textures Restriction of use: Sanding or grinding the dried product emits dangerous dust	TexNov inc. 839 Joseph-Louis-Mathieu Sherbrooke, Québec, Canada J1R 0X3 Emergency Phone Number: 1 877 316-6388

SECTION 2 - HAZARD IDENTIFICATION

Pictograms

None

Warning statements

None

Product classification

None

Hazard statements

None

Precautionary statements

Prevention: 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 airways 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	# number	% (weight/weight)
Crystalline silica (Quartz)	14808-60-7	0.1 - 1
Titanium dioxide	13463-67-7	0.1 - 5

The crystalline silica and titanium dioxide contents 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 that are classified as hazardous by GHS in this product 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 person to a well-ventilated area. Consult a doctor if headaches persist.

SECTION 5 - MESURE 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 ³	50 mg/m ³	0.025mg/m ³	Not available
Titanium dioxide	Not available	5000 mg/m ³	10mg/m ³	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: 9-9.5.

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: 7000 mm²/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 ₅₀ oral, mg/kg	DL ₅₀ cutaneous, mg/kg	CL ₅₀ , mg/L
FlexTex	> 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 nil.

Specific target organ toxicity: Crystalline silica can cause damage to organs (liver, spleen, kidneys, and lymph node) after repeated exposure or prolonged exposure. Levels of crystalline silica in the product are too low for GSH classification has toxic for organs. 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 titanium dioxide and crystalline silica 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.): ≤ 50g / L.

SECTION 13 - DATA FOR DISPOSAL OF THE PRODUCT

Dispose of releases in accordance with municipal, provincial and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Not Applicable.

TDG Classification: Not Regulated.

SECTION 15 - - REGULATORY INFORMATION

WHMIS 2015 Classification: None

The product classification and the 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.