

# TexNov



## ***FLEXSTOP RLX***

### ***Liquid membrane Water-Barrier and Air-Barrier to waterproof the substrate***

***FlexStop RLX*** is a flexible, ready-to-use coating that is just a single component, and acts continuously as an air and water barrier. It is a 100% acrylic product that is easy to apply. The product is designed to be applied with a roller or brush on wood, Aspenite (OSB) or plywood, concrete or gypsum to increase resistance to a building's climate. ***FlexStop RLX*** will remain elastic and flexible even in cold temperatures.

**TexNov**

Acrylic Coatings  
Manufacturer

# FLEXSTOP RLX

*Liquid membrane – Water-Barrier and Air-Barrier to waterproof the substrate*

## 1-Product description

**FlexStop RLX** is a flexible, ready-to-use coating that is just a single component, and acts continuously as an air and water barrier. It is a 100% acrylic product that is easy to apply. The product is designed to be applied with a roller or brush on wood, Aspenite (OSB) or plywood, concrete or gypsum to increase resistance to a building's climate. **FlexStop RLX** will remain elastic and flexible even in cold temperatures.

Two layers are required for waterproofing of the surface. The minimum thickness of **FlexStop RLX** is 40 mils (1 mm) wet (total of the two layers), **FlexStop RLX** contains fiber to increase its filling power.

**FlexStop RLX** should not be used for joints, use **FlexStop** for joints.

Characteristics	Advantages
Resistance to water.	Prevents infiltration.
Resistance to vapor.	Moisture is not trapped in the walls.
Resistance to air.	Reduces condensation and heating costs.
No joint.	Uniform membrane.

## 2-Covered surface area

An 18.9L container (23 kilos) of **FlexStop RLX** covers approximately 400 sq ft (37 m<sup>2</sup>) with 2 coats of 20 mils each.

## 3-Product properties

**FlexStop RLX** is an easy product to use. **FlexStop RLX** can be used as an elastomeric finishing coating. The product is specially formulated to resist the accumulation of dust. For a long-term finish the use of **Texnov Met-30** sealant is advised horizontal surfaces.

## 4-Installation

### **Temporary protection:**

While the entire application of the **FlexStop RLX** membrane, insulation panels, the flashing membranes, flashings, the base coat layer, the finishing and sealing layer, is not completed, the wall must be protected against rain, weather and possible other damage.

### **Surface preparation:**

The surface of the substrate on which the protective **FlexStop RLX** membrane is applied must be dry, clean, free from dust, wax, grease, oil, rust, or any other dirt can that lessen adhesion before application.

### **Product application:**

Mix the product with a drill that has a corrosion-resistant bit before use. Care should be taken to not allow air to enter the product during mixing. No additives and no water should be added to the product. For some projects, **FlexStop RLX** can be covered directly with finishing plaster.

### **During installation of the product:**

the air and ambient temperature must be between 5°C (41°F) and 40°C (104°F) and must remain so for a minimum of 24 h.

### **Drying:**

The drying time of **FlexStop RLX** depends on the air temperature, wind and relative humidity. In normal drying conditions (20°C and 50% RH), the surface is dry to the touch after approximately 2 hours.

### **Cleaning:**

Clean the tools with water while the **FlexStop RLX** mixture is still wet.

## 5-Storing the product

**FlexStop RLX** must be stored in its original container at a temperature of 5°C (41°F) to 40°C (104°F) in a dry place protected from the sun's rays. Keep away from frost. The service life of the product is 1 year.

**6-Transportation conditions**

Regulated shipping name: not applicable.  
 TDG category: Not regulated.

*Note: This product requires no special measures for international transport.*

Mixture Properties	
Solid	70 %
pH	8.7
Viscosity Brookfield DV2T Spindle H6 (10 rpm)	30 000 cps
Density at 20°C (g/cm <sup>3</sup> )	1.25

Performance of <i>FlexStop RLX</i> <sup>*4</sup>	
Test and method Requirement	Results
<b>Transmission of water vapor</b> <b>CCMC 5.3.4 / ASTM E96</b> <sup>*1-2</sup>	1150 ng/Pa.s.m <sup>2</sup> (20.1 Perms)
<b>Adhesion</b> <sup>*3</sup> <b>CCMC 5.3.3 / ASTM D1623</b> ≥0.3 MPa	0.40 MPa (Aspenite & EPS) 0.43 MPa (plywood) 0.48 MPa (concrete)
<b>Water absorption coefficient 72h</b> <b>CCMC 5.4.4 / ISO 15148</b> ≤0.004 kg / (m <sup>2</sup> • s <sup>1/2</sup> )	0.0005 kg / (m <sup>2</sup> • s <sup>1/2</sup> )
<b>Resistance to water transmission</b> <sup>*4</sup> <b>CCMC 5.4.7</b> ≤0.00020 g / m <sup>2</sup> • s	0.00016 g / m <sup>2</sup> • s
<b>Nail lift resistance</b> <b>CCMC 5.4.8</b> No adverse effects	Successful

<sup>\*1</sup> According to ASHRAE 2009, a vapor permeable product should have ≥ 10 perms and a vapor barrier should have ≤ 0.1 perms.

<sup>\*2</sup> Test carried out according to ASTM E96-procedure B (water), at TexNov's laboratory, no substrate, film thickness 1.6 mm.

<sup>\*3</sup> Measured after gasket elongation and cyclical environmental conditions induced.

<sup>\*4</sup> Internal result obtained in the laboratory of **TexNov** coatings according to the ASTM standard in force and to the best of our knowledge.

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<b>Name:</b> TexPro FlexStop RLX <b>Description:</b> Waterproofing and elastomeric coat. <b>Restriction of use:</b> Sanding or grinding the dried product emits dangerous dust.	<b>TexNov inc.</b> 839 Joseph-Louis-Mathieu Sherbrooke, Québec, Canada J1R 0X3 <b>Emergency Phone Number:</b> 1 877 316-6388

## SECTION 2 - HAZARD IDENTIFICATION

**Pictograms**

None.

**Warning statements**

None.

**Product classification**

None.

**Hazard statements**

None.

**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	0.1 - 1
Titanium dioxide	13463-67-7	3 - 7

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 - 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 30oC. 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:** White creamy liquid.

**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:** 1,3.  
**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:** 20000 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
TexPro FlexStop RLX	> 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.):** ≤ 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.

**SECTION 15 - REGULATORY INFORMATION**

**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.