

TexNov



FLEXSTOP CB

Cement membrane Water-Barrier and Air-Barrier to waterproof the substrate

FlexStop CB is a cementitious, two-component membrane. It is specially developed as an air barrier and water-resistant membrane for outdoor mineral substrates such as plasterboard covered with felt fiberglass (exterior gypsum), plasters, cement and other cementitious substrates approved by ***TexNov***.

TexNov

Acrylic Coatings
Manufacturer

FLEXSTOP CB

Cement membrane – Water-Barrier and Air-Barrier to waterproof the substrate

1-Product description

FlexStop CB is a cementitious, two-component membrane. It is composed of a flexible, acrylic polymer and reinforced fibers to improve its strength and rheology necessary to fill spaces between each panels. It is specially developed as an air barrier and water-resistant membrane for outdoor mineral substrates such as plasterboard covered with felt fiberglass (exterior gypsum), plasters, cement and other cementitious substrates approved by **TexNov**.

The minimum thickness required is 1/8" (3.2 mm) wet in two (2) layers applied for CCMC regulated projects.

2-Mixture

Mix a ratio of 35% of Portland cement type 10 and 65% by weight of **FlexStop CB**. Make sure you always mix at high speed while you pour in the cement. Stir until completely dispersed and smooth. Wait 5 minutes and stir again for 1 minute before use.

Once dried, it provides a very low water absorption coefficient combined with good flexible strength that makes it an excellent two-component barrier against penetration of water and air.

3-Covered surface area

An 18.9L container of **FlexStop CB** covers between 120 and 140 ft.² (11 and 13 m²).

4-Product properties

FlexStop CB is an easy-to-use product.

5-Installation

Temporary protection:

For as long as the installation of the **FlexStop CB** membrane, the insulation panels, flashings, the base coat, the finish coat and sealants, have not been completed, you should protect the wall against rain, weather and other potential damage.

Surface preparation:

The substrate surface on which the **FlexStop CB** protective membrane is applied must be clean, dry and free of any dust, wax, grease, oil, rust and other products that will prevent good bonding prior to application.

Applying the product:

Use a steel trowel to apply the **FlexStop CB** membrane. It can be applied to a maximum thickness of 1/8" (3.2 mm). 3" (7.62 cm) mesh strips must be applied onto joints. Two layers of approximately 1/16"

(1.6 mm) of **FlexStop CB** are required for CCMC project. A flashing provides impermeability to water, air and weather.

During installation of the product: surface and ambient air temperature should be 5°C (41°F) or higher and should remain so for a minimum of 24 hours.

Drying:

FlexStop CB coating drying time depends on the wind, ambient air and relative humidity. Under normal drying conditions 21°C (70°F) and 55% RH, drying time is 24 hours

Cleaning:

You should clean your tools with water while the **FlexStop CB** mixture is still wet.

No screws or mechanical fasteners used to secure the insulation must pass through the **FlexStop CB** on CCMC projects.

6-Product storage

FlexStop CB should be stored at a temperature from 5°C (41°F) to 21°C (70°F) well-sealed and out of direct sunlight. Keep away from frost. The service life of the product is 1 year.

7-Transportation conditions

Regulated shipping name: not applicable.

TDG category:

Not regulated. Note: This product requires no special measures for international transport.

Mixture properties	
Initial properties:	
pH initial / balanced	9.6 / 9.5
Viscosity (P.U.) initial/Balance	99/99
Viscosity (P.U.)	108
Properties after 10 Days at 60°C. :	
pH	8.2
Viscosity (P.U.)	108

Performance of <i>FlexStop CB</i> Mixed 35%: 65% with Portland Type 10 cement	
Test and method requirement	Result
Mixture density, g./cc	1.7
Workability	Very good
Duration of mixture in container Ambient temperature (20°C/68°F) 50°C *1	7 hours 4 hours
Hardness of thin coat *2 When dry	Very good
Transmission of water vapor CCMC 5.3.4 / ASTM E96 *3	9,8 perms*7
Flexibility (1/16" // 1.6 mm) Ambient temperature (20°C / 68°F) 4.5°C / 40°F	Successful 2" Successful 2"
180 Adhesion pull-off on concrete *4 N/m (Newton/meter) When dry Moist (1h / fog box)	2.75 N/m (C)*5 2.10 N/m (C)
Adhesion CCMC 5.3.3 / ASTM D1623 ≥0.1 MPa	0.94 MPa (Concrete)
Water pressure test *6 4 psi for 48h TTP-00141	Successful
Water absorption coefficient 72 hrs./ CCMC 5.4.4 / ISO 15148 ≤0.004 kg / (m ² • s ^{1/2})	0.0035 kg / (m ² • s ^{1/2})
Resistance to accelerated ageing CCMC 5.4.6 / ASTM G154 No negative effect 250 h	Successful

*1 The **FlexStop CB** temperature and the cement have been balanced at a temperature of 50°C.

*2 24-hour curing time at ambient temperature.

*3 According to ASHRAE 2009, a vapor-proof product should have perms ≥ 10 and a vapor-tight product should have the ≤ 0. 1 perms.

*4 One week curing time at ambient temperature.

*5 Failure mode: C = cohesive break, A = adhesion failure.

*6 2 layers of the mixture were applied to the concrete block. Cure time was a week at room temperature. Tests conducted in accordance with the TTP-00141 method.

*7 Tested at a thickness of 3.2 mm.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p>Name: TexPro FlexStop CB Description: Adhesive and waterproofing. Restriction of use: Sanding or grinding the dried product emits dangerous dust.</p>	<p>TexNov inc. 839 Joseph-Louis-Mathieu Sherbrooke, Québec, Canada J1R 0X3 Emergency Phone Number: 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	15 - 40

The Crystalline silica (Quartz) content of the product is 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 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

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 with a slight blue color.

Odor: Low odor of ammonia.

Odor threshold: Not available

pH: 8.5-9.

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: 1,45.
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: 17200 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
TexPro FlexStop CB	> 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: 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 is its dry form can produce particles of crystalline silica which are considered carcinogen classified 1 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

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 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.