TexNov

ELASTIC CRACK FILLER

For asphalt cracks

TexNov Elastic crack filler is a black coating designed especially to fill cracks in asphalt prior to the application of ***Pave-Tex*** asphalt coating. It is elastomeric and enables movement in the filled cracks without rupture or cracks even in low temperature.

TexNov Elastic crack filler protects the asphalt surface against deterioration by water infiltration through the cracks. The coating is breathable due to its water vapour permeability.

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Acrylic Coatings Manufacturer

ELASTIC CRACK FILLER

For asphalt cracks

1- Product description

Elastic crack filler is a black coating designed especially to fill cracks in asphalt prior to the application of Pave-Tex asphalt coating. ***Elastic crack filler*** is formulated with 100% an acrylic polymer that possesses a superior adhesion on asphalt. As its name indicate ***Elastic crack filler*** is elastomeric and enables movement in the filled cracks without rupture or cracks even in low temperature. ***Elastic crack filler*** protects the asphalt surface against deterioration by water infiltration through the cracks. The coating is breathable due to its water vapour permeability. Application is done using a trowel enabling the deep filling of the crack and a feathering of the edges.

2- Utilisation

Elastic crack filler is recommended for filling cracks in asphalt before application of Pave-Tex asphalt coating. The product if formulated for cracks up to ¾ inch (19 mm) wide and deep. Deeper cracks must be filled with sand before. It allows the protection of asphalt with alligator cracks (or spider web cracks) and to level small depression in the asphalt (up to 1 inch). Do not use to level pot holes and craters of several inches deep.

3- Coverage

One 7 L pail of ***Elastic crack filler*** fills about 65 linear feet (20 m) of cracks at ¾ inch wide and deep. Coverage will vary depending on the dimension of the cracks.

4- Mixing

Elastic crack filler is ready to use without mixing. If a small separation is visible on the top of the product, mix before use.

5- Installation

Elastic crack filler must be applied away from direct sun and rain. The outside temperature must be between 10°C (41°F) and 30°C (86°F) and must remain that way for 48 hours. For hot days, apply the coating early in the morning while asphalt is still cold.

Temporary protection:
At all times during the application and 24 hours following the application the asphalt must be protected against cold weather, rain and other potential damaging weather.

Surface preparation:
The surface must be clean, dry, of good quality, free from crust, grease, oil and scaling. Weeds and vegetation in the asphalt must be removed. Craters or pot holes in the asphalt must be repaired and aged 15 days minimum before application. New asphalt surfaces must be aged 6 months minimum prior to application of ***Elastic crack filler***. No traces or remains of asphalt sealer containing coal-tar or bitumen must be on the surface or in the cracks.

Clean the whole surface using a pressure washer. After, clean up the cracks with a broom or compressed air to empty the cracks as much as possible. Once the cracks in the asphalt are all dry and clean, fill the cracks and voids with ***Elastic crack filler***.

Cracks up to ¾ inch wide and deep can be filled directly. For reparation of cracks beyond 1 inch deep fill the crack with sand up to ¾ inch under the asphalt surface prior to trowelling the ***Elastic crack filler***. If the product is applied in a crack too deep it will withdraw and a second coat will be required. Let the ***Elastic crack filler*** dry 18 hours minimum before coating with Pave-Tex.

The ***Elastic crack filler*** is applied using a trowel or a putty knife. During the application, put pressure on the product to penetrate deep and fill the whole crack. Start at one end of the crack and end at the other in a linear fashion, to fill the crack without air voids. Level the surface of the product and feather the edges. Avoid surplus that are above the asphalt surface level.

Drying and cure:
Drying time of ***Elastic crack filler*** depends on air temperature, sunshine and relative humidity. For normal conditions of 21°C (70°F) and 55% R.H. ***Elastic crack filler***.

Dry to touch: 1h
Recoat: 2h
Walk on the surface: 24h
Vehicular traffic: 48h
Full cure: 7 days

Cleaning:
Clean the tools with water while the ***Elastic crack filler*** is still wet.

For more information on the product consult ***Texnov*** technical assistance (1-877-316-6388).

6- Storage

Pave-Tex must be stored at a minimum of 5°C (41°F) in a sealed container.

Shelf life of the product is 1 year.

7- Transport regulations

Shipping Name: Not applicable.
TDG Classification: Not regulated.

Note: This product requires no special measures for International Transport

8- Performance

Elastic crack filler*	
Test and method	**Result**
Adhesion on asphalt ASTM D4541	0.55 MPa
Accelerated weathering ASTM G154	Successful No visible deterioration after 2000 h
Water vapor permeability ASTM E-96	10.1 perms
Elongation ASTM D412	350%
Flexibility ASTM D522 1/8" Mandrel at -20°C	Successful (no cracks)
Solids ASTM D2697	75 % (volume) 83 % (weight)
Density ASTM D2697	1.6 g/mL

** Testing done at **Texnov** lab according to ASTM guidelines*

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SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
Name: Elastic crack filler **Description:** Designed especially to fill cracks in asphalt **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

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. Breathing difficulty, transport victim to fresh air.
STORAGE: Store at 5 to 30°C in a closed plastic container. Keep away from frost. Keep lock up.
DISPOSAL: Dispose of contents and container in accordance with local regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS number	% (weight/weight)
Crystalline silica (Quartz)	14808-60-7	10 - 30
Carbon Black	1333-86-4	0.1-1

The crystalline silica (Quartz), carbon black 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 that should be reported in this section.

SECTION 4 - FIRST AID MEASURES

Eye contact: Immediately flush with plenty of water for 15 minutes, occasionally lifting the eyelids.
Skin contact: Wash with soap and water. Take off immediately all contaminated clothing.
Ingestion: Call Poison Control Center or doctor immediately. Do not induce vomiting unless advised by the doctor.
Inhalation: If person is not breathing, give artificial respiration and seek medical attention. Breathing difficulty, transport victim to fresh air. Take off immediately all contaminated clothing and shoes.
Consult a doctor if you feel unwell.

SECTION 5 - FIRE-FIGHTING MEASURES

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 - ACCIDENTAL RELEASE MEASURES

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. Keep lock up.

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	
Ingredient	**VEMP**	**DIVS**	**TWA**	**STEL**
Crystalline silica (Quartz)	0.1 mg/m^3	50 mg/m^3	0.025mg/m^3	Not available
Carbon Black	3.5 mg/m^3	17.5 mg/m^3	3.5 mg/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-terrm 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: Black thick liquid.
Odor: Low odor of ammonia.
Odor threshold: Not available
pH: 8-9.
Freezing point: 0ºC
Boiling point: 100ºC.
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^2/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 INFORMATION

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
Elastic crack filler	> 10000 (rat)	> 10000 (rabbit)	> 100 (rat)

Skin irritation: Virtually nil. Possible mechanical irritation.
Irritation of the eyes: Not important. Possible mechanical irritation.
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 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
Carbon Black	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 INFORMATION

Ecotoxicology: Not available.
Bioaccumulative potential: Not available.
Volatile organic compounds (C.O.V.): ≤ 100g / L.

SECTION 13 - DISPOSAL CONSIDERATIONS

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: Reproductive toxicity category 1B, 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: 1-877-316-6388.
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.