

TexNov



PAVE-TEX

Asphalt coating

Pave-Tex is a coating specially designed to protect asphalt. Its texture gives anti-skid properties and enables it to fill voids and porosity in old asphalt. The coating possesses resistance to hot tire pickup, dirt pick up, mold, frosting and UV degradation.

Pave-Tex can be applied on cementitious substrates. It integrates an oxidative crosslinking technology that enhances its resistance to wear and abrasion, permeability.

TexNov

Acrylic Coatings
Manufacturer

PAVE-TEX

Asphalt coating

1- Product description

Pave-Tex is a coating specially designed to protect asphalt. **Pave-Tex** is manufactured using only 100% acrylic polymer possessing superior adhesion on asphalt. The texture of **Pave-Tex** gives anti-skid properties and enables it to fill voids and porosity in old asphalt. The coating possesses resistance to hot tire pickup, dirt pick up, mold, frosting and UV degradation. This product can be applied on cementitious substrates. **Pave-Tex** integrates an oxidative crosslinking technology that enhances its resistance to wear and abrasion.

2- Utilisation

Pave-Tex is recommended for asphalt and concrete surfaces. **Pave-Tex** can rejuvenate worn asphalt surfaces. The high water vapor permeability of the coating allows surfaces to breathe.

3- Coverage

One 18.9 L pail of **Pave-Tex** will cover approximately 250 to 300 ft² (23 to 28 m²) in two coats. Coverage will depend on porosity of the surface and application technique.

4- Mixing

Mix the pail evenly prior to application.

5- Installation

Do not apply **Pave-Tex** under blazing sun or under rain. The exterior temperature must be between 10°C (41°F) and 30°C (86°F) and it must stay that way for 24h minimum. For hot days, apply early in the morning.

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 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 **Pave-Tex**. No traces or remains of asphalt sealer containing coal-tar or bitumen must be on the surface.

Clean the whole surface using a pressure washer. Use the Texnov Surface Cleaner to clean any trace of oil or any car fluid on the asphalt before coating with **Pave-Tex**, rinse thoroughly. Once the asphalt is all dry and clean fill the cracks and voids with Elastic Crack Filler from **Pave-Tex** (follow the instructions in the product datasheet for application). Let the Elastic Crack Filler dry 18 hours minimum before coating with **Pave-Tex**.

Pave-Tex can be applied with a brush, a roller or a texture sprayer. During application, be thorough to penetrate and coat all the porosities in the asphalt. Apply in a cross pattern. Avoid puddling and take care not to leave any excess product on the surface.

Drying and cure:

Drying time of **Pave-Tex** depends on air temperature, sunshine and relative humidity. For normal conditions of 21°C (70°F) and 55% R.H.

Dry to touch: 1h
Recoat: 24h
Walk on the surface: 24h
Vehicular traffic: 48h
Full cure: 14 days

Cleaning:

Clean all the tools with water while the **Pave-Tex** is still wet.

Pave-Tex will never be stronger than the surface it is applied on. If the surface is in bad shape or worn out the adhesion will be poor.

For more information on the product and available colors (other than black) consult **Texnov** technical assistance (1-877-316-6388).

For some more contrasting colors sealing the coating with **Texnov Met-HD** is recommended to protect it. **Pave-Tex** must be cured at least 24h before applying the sealer.

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

Pave-Tex*	
Test and method	Result
Adhesion on asphalt ASTM D4541	0.41 MPa
Accelerated weathering ASTM G154	Success No adverse effect, 2000h
Hot tire pickup resistance ASTM WK14355	Success No marking or delamination
Resistance to car fluids ASTM D2792	Success (Gasoline, motor oil and fluids: cooling, power steering, brake, wind shield washer.)
Water vapor permeability ASTM E-96 method B	10.5 perms
Solids ASTM D2697	39.7% (volume) 68.1% (weight)
Density ASTM D2697	1.45 g/mL

* Testing done at Texnov lab according to ASTM guidelines

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p>Name: Pave-Tex Description: Water-based sealer for asphalt. 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

Reproductive toxicity category 1B

Toxicity to reproductive function and development

Hazard statements

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

May affect fertility or the fetus.

Prevention:

Obtain instructions before use. Do not handle until you have read and understood all safety precautions. Wear protective gloves / protective clothing / eye protection, face protection and respiratory protection. Do not breathe dust / fume / gas / mist / vapors / spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

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

In case of proven or suspected exposure: consult a doctor.

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
Titanium dioxide	13463-67-7	0 - 5
Carbon Black	1333-86-4	0.1-1
Dibutyl Pthalate	84-74-2	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. Consult a physician if irritation persists.

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 30°C. Keep in a closed plastic container. Keep lock up.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational Exposure Limits:

Breathable dust Ingredient	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	3.5 mg/m ³	17.5 mg/m ³	3.5 mg/m ³	Not available
Carbon Black	Not available	5000 mg/m ³	10mg/m ³	Not available
Dibutyl Pthalate	5 mg/m ³	4000 mg/m 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-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 or colored 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: 1,4.

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 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
Pave-Tex	> 10000 (rat)	> 10000 (rabbit)	> 100 (rat)

Skin irritation: Virtually nil.

Irritation of the eyes: Not important.

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 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
Carbon Black	Group 2B	Group A4	N
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: Reproductive toxicity category 1B. Toxicity for reproductive function and development. This product contains dibutyl phthalate, which can cause testicular damage in animals and has adverse effects on the general reproductive ability of the animal. For dibutyl phthalate: Animal studies suggest the possibility of an increase in congenital malformations but the relationship between exposure and effect is not satisfactory due to experimental limitations. It has an embryo-toxic and / or foeto-toxic effect in the animal. It crosses the placenta in animals.

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: Specific target organ toxicity – repeated exposure – Category 1

Reproductive toxicity category 1B.

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.