

TexNov



DURADUR 80

Leveling and surfacing mortar

Duradur 80 & Duradur 80P are rapid setting, cement-based, polymer-modified dual-component mortars, to which a migrating corrosion inhibitor agent has been added. Formulated for trowel application, it is designed to correct blemishes, cracks and uneven surfaces on which it is applied, in order to make it suitable to receive a finish coat. The difference with ***Duradur 80P*** is that it uses ***Penetron P technology***.

TexNov

Acrylic Coatings
Manufacturer

DURADUR 80

Leveling and surfacing mortar

1-Product Description

Duradur 80 & Duradur 80P are rapid setting, cement-based, polymer-modified dual-component mortars, to which a migrating corrosion inhibitor agent has been added. Formulated for trowel application, it is designed to correct blemishes, cracks and uneven surfaces on which it is applied, in order to make it suitable to receive a finish coat. The difference with **Duradur 80P** is that it uses **Penetron P technology**.

2-Product advantages

This product offers superior abrasion resistance over conventional cement mortar, as well as superior resistance to de-icing salts. Good resistance to freezing and thawing, easy to apply, does not create a vapor barrier. Final compressive strength of the dried mortar is 80 MPa.

3-Coverage

An 18.9 L container covers about 59 ft² (5.5 m² for a 6 mm thickness).

4-Mix

Gradually add the A component (solid) to the B component (liquid) while stirring the mixture with a mechanical mixer. Let the mixture stand for 5 minutes. Mix again to break the mortar setting reaction. The resulting mixture of the two components is good for 30 minutes at normal temperatures.

Application of **Duradur 80 & Duradur 80P** should be executed within an approximate 45-minute time frame depending on the room temperature.

5-Application

Duradur 80 & Duradur 80P must be applied protected from direct sunlight and bad weather. Both the air and surface temperatures should be above 5°C (41°F) for a 24-hour period before and after the work.

Temporary protection: As long as the application and curing of the finish coat and sealants has not been completed, protect the walls and structures against bad weather and other potential damage. **Duradur 80 & Duradur 80P** should be covered with a plastic film, sealed at both ends, for a 24-hour period following application

Surface preparation: The surfaces requiring coating with **Duradur 80 & Duradur 80P** must be paint free and must not have previously been embedded. They must be clean, dry, and form an adequate structure. They must be free of grease, oil and other products that may prevent good adhesion. Wet the surface prior to application.

Drying: **Duradur 80 & Duradur 80P** drying time depends on the ambient air temperature and relative humidity. Under normal drying conditions (21°C and 55% RH) drying time is about 12 hours.

Cleaning: Clean tools with water while the **Duradur 80 & Duradur 80P** mixture is still wet.

6-Product Storage

Duradur 80 & Duradur 80P must be stored at a temperature of 5°C (41°F) or above in tightly sealed containers. Product lifetime is of 1 year.

7-Necessary precautions

Do not add water, this could affect product performances.

8-Transport conditions

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

Note: This product requires no special measures during International transport.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p>Name : Duradur 80P Description : Adhesive and leveling coat. Restriction of use : Sandblasting or grinding the dried product emits hazardous dusts.</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

Skin corrosion / irritation - Category 2

Serious eye damage / eye irritation - Category 1

Specific target organ toxicity - repeated exposure - Category 1

Specific target organ toxicity - single exposure (respiratory tract irritation) - Category 3

Carcinogenicity - Category 1A

Hazard statements

Causes skin irritation. Causes serious eye damage. May irritate the respiratory tract. Causes damage to organs (liver, spleen, kidneys, lymph nodes, respiratory system) after repeated exposure or prolonged exposure. May cause cancer.

Precautionary statements

Prevention: Obtain instructions before use. Do not handle until you have read and understood all safety precautions. Do not breathe dust / fume / gas / mist / vapors / spray. Wear protective gloves / protective clothing and eye protection / face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product. Use the product only outdoors or in a well-ventilated area.

Intervention – Consult a doctor if you feel unwell.

IF exposed or suspected: Get medical advice / Get medical attention.

INGESTION: Do not induce vomiting unless advised by the doctor. Call Poison Control Center or doctor immediately. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse. Call a POISON CENTER / doctor immediately. **IF ON SKIN:** Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice / seek medical attention. **INHALATION:** If person is not breathing, give artificial respiration and seek medical attention. If breathing is difficult, remove victim to fresh air.

STORAGE: Store in a well-ventilated place. Keep the container tightly closed. Store at a temperature of 5 to 30°C. Keep away from frost. Keep locked up.

DISPOSAL: Dispose of contents and container in accordance with local regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	# CAS	% (weight/weight)
Crystalline silica (Quartz)	14808-60-7	15 - 40
Portland cement	65997-15-1	30 - 60

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 AID MEASURES

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse. Call a POISON CENTER / doctor immediately.

Skin contact: Wash with plenty of water and soap. Remove contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice / seek medical attention.

Ingestion: Drink plenty of water. See a doctor. 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. If the person is no longer breathing, give artificial respiration and seek medical attention. See a doctor.

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 dispersions into the sewers, occurs can clog the piping.

SECTION 7 - HANDLING AND STORAGE

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

Storage Conditions: Store in a well-ventilated area. Keep the container tightly closed. Store at a temperature of 5 to 30°C. Keep away from frost. Keep locked up. Keep in a dry place away from frost and sun. The product may coagulate.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational exposure limits values:

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
Portland cement	5 mg/m ³	5000 mg/m ³	10 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: Creamy with a light green color with gray powder.

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: 1,5.

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: 12000 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
Duradur 80P	> 10000 (rat)	> 10000 (rabbit)	> 100 (rat)

Skin irritation: Causes skin irritation.

Eye irritation: Causes serious eye damage.

Respiratory or skin sensitization: None other than the respiratory effects already mentioned.

Specific target organ toxicity: May cause respiratory irritation. Causes damage to organs (liver, spleen, kidneys, lymph nodes, and respiratory system) 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:

Repeated inhalation of crystalline silica may cause lung damage and silicosis.

Ingredient	CIRC	ACGIH	NTP
Crystalline silica (Quartz)	Group 1	Group A2	K
Portland cement	Not available	Group A4	Not available

IARC: International Agency for Research on Cancer. Group 1: The agent is carcinogenic to humans.

Group A2: Suspected human carcinogen; Group A4 not classifiable as a carcinogen to humans; NTP: National Toxicology Program;

K: The substance is known to be carcinogenic.

Reproductive toxicity: none

Germ cell mutagenicity: none

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicology: Not available.

Bioaccumulative potential: Not available.

Volatile organic compounds (V.O.C.): ≤ 50g / L.

SECTION 13 - - DISPOSAL CONSIDERATIONS

Dispose of 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.