

TexNov



TEXGROUT 292

Cement grout and cementitious mortar

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The product is distinguished by its fast setting its initial gas expansion controlled to counteract the shrinkage due to compaction and drying, and the absence of any metal or corrosive additive.

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Acrylic Coatings
Manufacturer

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1- Description

TexGrout 292 is a cement grout and aggregate carefully selected and balanced, prepared at the factory, ready to use when adding water.

The product is distinguished by its fast setting its initial gas expansion controlled to counteract the shrinkage due to compaction and drying, and the absence of any metal or corrosive additive (eg. calcium chloride).

2- Advantages

The product is proportionate, balanced and premixed at the plant, under strict quality control.

Variables consistencies are available for optimum maneuverability, simply by adjusting the dosage of water (see Mixing): dry consistency, plastic or flow.

The product has a high compressive strength.

Consistency	Water per 22.7 kg bag
Dried	3.2 L
Plastic	3.5 L
Castable	3.9 L

3- Characterization

Presentation	Grey powder cement in paper bags (multiwall laminated polyethylene lined for maximum protection against moisture)
Performance	Each bag of 22.7 kg will produce about 0.45 ft ³ (13 L of liquid grout).
Coverage	Each bag covers 22 ft ² at ¼" thickness (2 m ² at 6mm thickness) Each bag covers 5.5 ft ² at 1" thickness (0.5 m ² at 25 mm thickness)
Initial setting	About 2½ hours
Final setting	About 4 hours
Withdraw	None

Operating temperature	Minimum 0°C to 175°C.
Storage	Store at a temperature between 15 and 25°C in a dry place in the original 22.7 kg moisture resistant bag.

4- Uses

The product is useful in the fabrication of heavy machinery bases, soles columns, frames, the cementing of base plates, anchor bolts, foundations and underpinning; sealing and patching concrete.

5- Restriction

The grout should not be exposed to freezing temperatures during curing.

6- Preparation

The surface must be clean, moist, free of grease, oil, laitance, dust or other contamination. It is recommended to roughen the surface for better adhesion of the grout. In special cases or in case of doubt, it is advantageous to consider the use of an adhesive. We recommend the use of **Texnov GL 50** (cement glue) as an adhesive.

Dilution with adhesive	GL 50 / Water per 22.7 kg bag TexGrout 292
Thin layer / Connecting grout	3.78 L GL 50 / 1 L Water
Mortar	1.89 L GL 50 / 2 L Water
Concrete / Filling	1.5 L GL 50 / 2.3 L Water Add 12 Kg of washed gravel 10 mm max in size

If the use of an adhesive is not considered, keep the background saturated with water for 24 hours prior to the application of the grout. Any excess water must be removed before application however.

Put into position and anchor all pieces where the grout must be applied. The boxing for the retention of the grout under the base plates must be solid and sealed to prevent leakage

7- Application

For a deeper filling mortar washed gravel up to 10mm in size can be added to **TexGrout 292** up to 50% by weight.

We recommend the use of a mechanical concrete mixer or mortar mixer for the mixing. Depending on to the desired consistency between 3.2 liters and 3.9 liters of water must be put into the mixer. Add gradually and with continued stirring the powder contents of a bag (22.7 kg) to the water.

Continue mixing for at least three (3) minutes. The prepared grout that is not used immediately must be kept under agitation until used.

Avoid mixing larger quantities of grout than those that can be placed within 30 minutes. **TexGrout 292** that has not been used one hour after the preparation should be discarded.

8- Curing

The grout should be applied and cured under moist conditions (wet tarpaulins) for 24 to 36 hours. After that a liquid curing membrane can be applied on the surface.

In a thin coat of 2 mm with the use of a high dosage of adhesive, the use of wet tarpaulins is not necessary.

9- Security & Personal Protection

Avoid contact with skin (cement alkalinity).
Clean tools with water while the grout is still fresh.

For more information concerning the handling, the manipulation or use of this product, please consult our technical data sheet or consult our technical service department

10- Physical properties and performance

TEST STANDARD	RESULT
Compressive strength ASTM C-109 (28 days)	50 MPa (Dry) 40 MPa (Plastic) 30MPa (Flow)
Freeze / thaw resistance ASTM C666	Excellent
Resistance to flaking due to exposure to deicing salts ASTM C672	Excellent
Hardening expansion U.S. CRD-C58-7	≤ 0.4%
Water absorption 48 hours* CCMC 5.3.6 ≥ 20%	9.8 %
Water resistance 2h * CCMC 5.3.5 ≥ 90% Waterproof	Successful

* Result obtained by dilution with **GL 50** (Mortar mix).
Tested at the **Texnov** laboratory according to the CCMC standard.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p>Name : TexGrout 292 Description : Cement repair plaster 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 node, and 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- IF exposed or suspected exposure : Get medical advice / attention. **INGESTION :** Rinse mouth. Do not induce vomiting unless advised by the doctor. **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. Specific treatment (see skin contact on this label). If skin irritation occurs : Get medical advice / seek medical attention. **INHALATION :** If breathing is difficult, remove victim to fresh air and maintain in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTER or doctor.

Storage : Keep locked 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	15 - 60
Portland Cement	65997-15-1	15 - 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 soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs : Get medical advice / seek medical attention.

Ingestion : Rinse mouth. Do not induce vomiting unless advised by the doctor.

Inhalation : If breathing is difficult, remove victim to fresh air and maintain in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTER or 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, there will be emission of carbon oxides.

Use the appropriate extinguishers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Pick up all the scattering 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 :

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 emissions of fumes / mists / vapors / spray may exceed 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 : Powdery gray solid.

Odor : Low odor of ammonia.

Odor threshold : Not available

pH : Not available.

Freezing point : 0°C

Boiling point : 100°C.

Evaporation rate : Not available.

Flammability (solid and gas) : Not applicable.

Explosive limit : Not applicable.

Vapor pressure : same as water

Vapor density : Not available.

Relative density : 2,92

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 : Not available.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability : This product is considered stable under the recommended storage conditions.

Reactivity : Incompatible with strong oxidants and 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
TexGrout 292	> 10000 (rat)	> 10000 (lapin)	> 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 node, 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.): None

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of According to Municipal, Provincial and National Regulations.

SECTION 14 - TRANSPORT INFORMATION

Proper shipping name : NOT APPLICABLE.

TDG Classification : NOT REGULATED.

SECTION 15 - REGULATORY INFORMATION

WHMIS Classification 2015 : Skin Irritation - Category 2; Serious eye damage - Category 1; Specific target organ toxicity - repeated exposure - Category 1; Specific target organ toxicity - single exposure (respiratory tract irritation) - Category 3; Carcinogenicity - Category 1A. 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.