

DESCRIPTION

GrSwell is chemically treated, granular sodium bentonite used as a detailing accessory product for TegoBloc™ Swell Waterproofing System. When wetted, GrSwell forms into a dense, low permeable material that combines with the sodium bentonite in the waterproofing products to form a seamless waterproofing membrane.

Mineralogical composition of GrSwell is a minimum 90% Montmorillonite with a maximum 10% native sediments and unaltered volcanic ash. Typical sieve analysis is 90% through a 20-mesh sieve and 10% through a 200-mesh sieve. Free swell rating of GrSwell is: two grams sifted into deionized water swells to occupy a minimum volume of 16 cc.

APPLICATIONS

GrSwell is used to fill cavities and voids in the substrate prior to installing the main bentonite waterproofing course. It is also used to seal around slab penetrations to form a continuous waterproofing system. A fillet of GrSwell can be poured at the footing/wall junction to provide additional waterproofing protection. A 1/8" (3 mm) thick layer of GrSwell is also applied to the top of tunnels and earth-covered roofs prior to the main waterproofing material course. GrSwell is not an expansion joint sealant.

| TYPICAL CHEMICAL ANALYSIS | |
|---------------------------|------------|
| Chemical | Percentage |
| Silica (SiO2) | 61% |
| Alumina (Al2O2) | 19% |
| Iron Oxides (Fe2O2) | 4% |
| Magnesia | 2% |
| Soda | 3% |
| Lime | 2% |
| Trace Elements | 3% |
| Water (crystal) | 6% |

PACKAGING

GrSwell is packaged in 50 lb. (22.6 kg) bags; 40 bags per pallet. One bag equals approximately 0.83 cubic feet.

INSTALLATION

Remove dirt and other debris from area to receive GrSwell. Cut a corner of the bag for easy, directional control of product placement. Place as required around penetrations, footings and other details.

Limitations:

GrSwell should not be applied in standing water or during precipitation. GrSwell is intended for below-grade waterproofing applications. Product requires proper confinement. Confining soils should be compacted to a minimum 85% Modified Proctor density.

SAFETY

Use only with adequate ventilation and avoid breathing dust. Workers should wear approved breathing apparatus, protective clothing and eye protection. Avoid skin and eye contact. In the event of contact, wash immediately. Do not ingest. Refer to MDS for other warnings and safety information.

| TYPICAL APPLICATION RATE ONE BAG - 50 LBS (22.6 KG) | |
|---|---------------------|
| Application | Typical Rate |
| Wall/Footing Fillet 1-1/2" (38 mm) | 30 lin ft (9.1 lm) |
| Roof Deck Layer 1/8" (3 mm) thick | 70 sq ft (6.5 sq m) |

| TECHNICAL DATA PRODUCT SPECIFICATIONS | |
|---|--|
| Type: TegoBloc™ GrSwell | |
| Flash Point | > 500°F (260°C) |
| Cone Penetration | |
| @ 77°F (25oC) | 40 dmm |
| @ 122°F (50oC) | 99 dmm |
| Toughness | > 20 JOULES |
| Toughness Rating | 0.04 Min |
| Flow | 0 mm 144°F |
| Resiliency | > 40% |
| Adhesion | Pass |
| Water Vapor Permeance | 1.7 NG/PA. M2 s |
| Water Absorption | 0.00-0.18 gr Max. Gain |
| Low-Temperature Flexibility | Pass |
| Crack Bridging | Pass 10 Cycles |
| @ -13°F (-25°C) | |
| Heat Stability (5 Hours) | Pass |
| Viscosity @ application temp. | 2-15 seconds |
| Ambient Temperature Restrictions | Above 0°F (-17.7°C) |
| Pinholing | None |
| Resistance to Acid | 50% sulfuric, no blistering, deterioration, delamination or re-emulsification |
| Resistance to Salt Water | 20% (NaCo & NaCl), no blistering, deterioration, delamination or re-emulsification |
| Resistance to Fertilizer | 15/5/5 Fertilizer, no blistering, deterioration, delamination or re-emulsification |
| Water Resistance | No delamination, blistering, emulsification or deterioration |
| Coverage | |
| Base layer | 115 mils (0.115 in) thick |
| Top layer | 100 mils (0.10 in) thick |
| Total system | 215 mils (0.215 in) thick |
| Packaging | 30 lb. Boxes with Polyethylene Bags |

| May help to contribute to LEED® credits: | |
|--|--|
| EA Credit 1: | Optimize Energy Performance |
| EQ Credit 3.1: | Construction IAQ Management Plan: During Construction |
| EQ Credit 4.2: | Low Emitting Materials: Paints and Coatings |
| MR Credit 5.1: | Regional Materials: 10% Extracted, Processed and Manufactured Regionally |
| MR Credit 5.2: | Regional Materials: 20% Extracted, Processed and Manufactured Regionally |

| SHIPPING INFORMATION | |
|------------------------------|------------------------|
| Proper Shipping Name: | Non-regulated material |
| Hazard Class: | Not Applicable |
| Identification: | Not Applicable |
| Packaging Group: | Not Applicable |

NOTE: Applies to DOT-U.S./ MOT-CANADA/INT'L (ALL MODES).



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Results may differ based upon statistical variations depending upon mixing methods and equipment, temperatures, application methods, test methods, actual site conditions and curing conditions. Installation conditions and methods can impact product performance. Consult your local GMX Sales Representative for Questions.

PRIOR TO EACH USE OF ANY GMX PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS & INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT WWW.GMXCO.COM OR BY CALLING GMX AT 866-228-7743. NOTHING CONTAINED IN ANY GMX MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH GMX PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.