

TEGOBLOC GRSWELL

GRANULAR SODIUM BENTONITE | Membrane Waterproofing



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 (SiO ₂)	61%
Alumina (Al ₂ O ₃)	19%
Iron Oxides (Fe ₂ O ₃)	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)



GMX, Inc.
3014 Chamber Dr.
Monroe, NC 28110
Toll Free: 866-228-7743
www.gmxwaterproofing.com

LEED® Buildings and Leadership in Energy and Environmental Design® are trademarks of the U.S. Green Building Council. The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is a voluntary, consensus-building national standard that was initiated by the U.S. Green Building Council (USGBC) for developing high-performance sustainable buildings.

TEGOBLOC GRSWELL



GRANULAR SODIUM BENTONITE | Membrane Waterproofing

COMMERCIAL

TECHNICAL DATA | PRODUCT SPECIFICATIONS

Type: Ultra-Guard HA-551

Flash Point	> 500°F (260°C)
Cone Penetration @ 77°F (25°C) @ 122°F (50°C)	40 dmm 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 @ -13°F (-25°C)	Pass 10 Cycles
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 Top layer Total system	115 mils (0.115 in) thick 100 mils (0.10 in) thick 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).



GMX, Inc.
3014 Chamber Dr.
Monroe, NC 28110
Toll Free: 866-228-7743
www.gmxwaterproofing.com

LEED® Buildings and Leadership in Energy and Environmental Design® are trademarks of the U.S. Green Building Council. The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is a voluntary, consensus-building national standard that was initiated by the U.S. Green Building Council (USGBC) for developing high-performance sustainable buildings.