

BOSS[®] 125 Multi-Seal[®] Building/Construction Sealant

TYPICAL PROPERTIES

	Colors	Translucent
Uncured		
Flow Sag or Slump	NIL	NIL
Tack Free Time.	20 min.....	20 min.
Extrusion Rate	400 g/min.	300 g/min.
Cured – Physical 7 Days at 77°F (25°C) and 50% RH (1/8" thickness)		
Durometer Shore A Hardness ..	35 points.....	17 points
Specific Gravity	1.53.....	1.01
Tensile Strength.....	180 psi.....	180
Elongation	350%	480%
Modulus.....	130 psi.....	50 psi
Shrinkage	NIL	NIL
Service Temperature.....	-40°F to 200°F	
Application Temperature	-35°F to 140°F	

*Information on this data sheet is subject to change without notice and should not be used for writing specifications.
For additional information on specific applications, contact Accumetric, LLC



DESCRIPTION

BOSS[®] 125 Multi-Seal[®] Building/Construction Sealant is a multi-purpose, one part sealant, formulated with USP™ Technology. This unique sealant is free from solvents and isocyanates. It cures on exposure to atmospheric moisture to form a highly durable flexible sealant.

BOSS[®] 125 Multi-Seal[®] has been formulated to offer outstanding primerless adhesion to most common building materials including vinyl, aluminum, steel, concrete, wood and glass. It can be applied and tooled under most weather conditions. This sealant is paintable with most latex base paints*.

*Test small area for compatibility before painting

Kynar 500[®] is a trademark of Arkema Inc.

FEATURES

- Wide temperature gunnability; can be applied in any season
- Primerless adhesion to damp and non-porous surfaces
- VOC Compliant in all 50 states
- Qualifies for LEED Credits
- Ease of use, one-part adhesive sealant, no mixing required
- Good weatherability - virtually unaffected by sunlight, rain, snow, ozone, and temperature extremes
- Good UV resistance and color stability
- Long life reliability; cured sealant stays flexible without tearing, cracking, drying out, or becoming brittle.
- With its non slump properties, can be used in vertical, horizontal and overhead joints
- Non-yellowing and non-staining
- Non-streaking
- Paintable with most latex base paints* (except Translucent)
- Free from solvents and isocyanates
- Bonds to Kynar 500[®]

SPECIFICATIONS

BOSS® 125 Multi-Seal® meets performance requirements of TT-S-000230C, Type II, Class A; ASTM C920, Type S, Grade NS, Class 25, Use NT-non traffic, G-glass, M-mortar, A-aluminum and O-other; CAN/CGSB 19.13-M87.

APPLICATIONS

BOSS® 125 Multi-Seal® Building/Construction Sealant is designed to produce a flexible joint sealant with excellent adhesion to various substrates. **BOSS® 125** is suited to sealing construction joints in concrete structures, masonry joints, balcony, window and door perimeter joints, facade and metal cladding joints, aluminum angle joints, curbs, exterior mastic, pin hole repairs and shower screens.

BOSS® 125 Multi-Seal® Building/Construction Sealant has excellent adhesion to many building materials including Kynar 500®, coated metals, glass, EIFS, galvanized steel, residential/commercial roofing, flashings, vents, downspouts, gutters, tiles, concrete and wood.

HOW TO USE

Make sure the joint design is correct. Proper joint design minimizes stresses on the sealant. Typical dimensions of a movement joint should ensure the width of the joint would equal two times the depth of sealant. Minimum depth of sealant in construction joint should be 6mm.

Clean the joint surface on both new and old jobs. Surfaces must be clean, dry, and sound. Since new material is often covered with a protective film, solvent-wash all surface materials with a wet brush and an oil-free solvent. Ensure that surfaces are dust free.

Use masking tape where bead lines of exact shapes are required. Masking tape should be removed immediately after a bead is completed before a skin begins to form.

Apply sealant to dry, clean surfaces. An air-operated or hand-operated cartridge or sausage gun may be used. Surfaces should be dry before the sealant is applied. Ensure that surfaces to receive the sealant are dust free. Uncured sealant may be cleaned from tools using commercial solvent.

Tool joint, if necessary, and remove masking tape. Tooling should be completed in one continuous stroke. Tool immediately after sealant is applied and

before a skin begins to form. Do not use soap or oil as a tool aid. Remove masking tape immediately after tooling is completed.

CLEAN UP

Uncured sealant can be easily removed using a solvent such as alcohol or acetone. For an environmental and health friendlier choice use **BOSS® Biggie Wipes**. If the sealant is cured it must be removed mechanically by cutting and scraping.

COLORS

BOSS® 125 is available in grey, white, black, off white, limestone, tan, stone, aluminum grey, redwood tan, hunter green, medium bronze, special bronze, brown and translucent.

PACKAGING

BOSS® 125 Multi-Seal® is available in standard caulking cartridges and 1 gallon pails. Other sizes available upon request.

SHIPPING LIMITATIONS

None.

Reactive VOC 10 g/l (<1% wt) (Colors)

Reactive VOC 29 g/l (<3% wt) (Translucent)

LIMITATIONS

- Do not use for structural glazing
- It is the sole responsibility of the user to test the adhesion to the substrate for suitability

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 125 Multi-Seal® Building/Construction Sealant** has a shelf life of 9 months from date of shipment. In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. **DO NOT** stack cartons on their side. **NEVER** stack cartons more than 8 high. **DO NOT** store within 1 meter (4 feet) of roofline of the warehouse or storage building.

CAUTION

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE, AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. **IN CASE OF EYE CONTACT**, flush eyes with water for 15 minutes. Obtain medical attention. **IN CASE OF SKIN CONTACT**, remove from skin and flush with water. **KEEP OUT OF THE REACH OF CHILDREN.** For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

BOSS® PRODUCTS

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www.bossproducts.com

MSDS Document

Product BOSS® MultiSeal 125

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® MultiSeal 125

Synonyms: 03970HTGR10, 03970WH10, 03970GY10, 03970BK10, 03970BR10, 03970ALGY10,
03970TN10, 03970OWH10, 03970LS10, 03970MB10, 03970RWTN10, 03970SPBZ10,
03970ST10

MSDS ID BOSS125

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 10/13/2010

Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Calcium carbonate	1317-65-3	25% - 55%	10 mg/m3	5 mg/m3	
Polymer	Proprietary, non-haz	10% - 30%			
Plasticizer	Proprietary, non-haz	10% - 30%			
N-beta-(aminoethyl)-ga mma-aminopropyltrimet hoxysilane	1760-24-3	3% - Max			
Vinyltrimethoxysilane	2768-02-7	3% - Max			

3. Hazard Identification

Primary Routes of Entry

Inhalation, skin contact

Eye Contact

Direct eye contact irritates slightly with redness and swelling.

Skin Contact

A single short exposure may cause irritation. Repeated prolonged exposure may cause mild irritation.

Inhalation

Inhalation of vapor may irritate respiratory tract and nasal passage. Prolonged inhalation of vapors may cause adverse effects on the central nervous system, including dizziness, nausea and vomiting.

Ingestion

There are no known symptoms of ingestion.

4. First Aid Information

Eye Contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion

DO NOT INDUCE VOMITING. Seek immediate medical attention.

Comments

Treat according to person's condition and specifics of exposure.

5. Fire Fighting Measures

Flash Point 200C

Flammability Limits in Air

Not determined

Auto-ignition Temperature

Not determined

Extinguishing Media

On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures

Fire responders must wear self-contained breathing apparatus and full protective

equipment. Move fire-exposed containers if it can be done without risk to firefighters. If possible, control water run-off to prevent environmental contamination.

Unusual Fire and Explosion Hazards

When involved in a fire, this material may decompose and produce the following toxic gases: carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, silicon dioxide, and various polymer compounds. Contact with water will release small quantities of flammable methanol.

6. Accidental Release Measures

Steps to be taken in case of spill or release

Observe all personal protective equipment recommendations as described in Section 8. Scrape all spilled materials for disposal. This material is not classified as a hazardous waste per 40 CFR 261.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

7. Handling and Storage

Handling

Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

8. Exposure Controls and Personal Protection

Eye Protection

Use proper protection - safety glasses as a minimum.

Skin Protection

Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Ventilation

Local exhaust ventilation is recommended to maintain vapor level below TLV.

Respiratory Protection

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1.42
Color/Appearance	Various
Odor	Slight
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Water dilutable in wet stage
Evaporation Rate	Not determined
VOC %	10 g/L
Vapor Density	Not determined
Vapor Pressure	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon monoxide
Carbon dioxide
Nitrogen oxides
Aldehydes
Silicon Dioxide
Various polymer compounds

Materials to Avoid

Oxidizing acids, amines, strong caustics, water

Conditions to Avoid

Contact with incompatible materials and exposure to extreme temperatures.

11. Toxicological Information

Carcinogenicity

This product is not known to be a carcinogen.

Teratogenicity

This product is not known to be a teratogen.

Mutagenicity

This product is not known to be a mutagen.

Reproductive Toxin

This product is not known to be a reproductive toxin.

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. Transportation Information

DOT Road Shipment Information

DOT(USA): Caulking & Glaziers, NOI

DOT Hazard Classification: None

UN/NA Number: Not applicable

Label Required: None

Marine Pollutant: None

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

None

SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

Canada Domestic Substances List

All ingredients are listed on the DSL.

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.