



# SEI Industrial Chemicals

## SYNTHETIC MEMBRANE

### BSM-1600 SERIES

#### PRODUCT PROFILE

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##### DESCRIPTION:

The SEI Industrial Chemicals BSM-1600 Series Synthetic Membrane is an environmentally friendly siloxane hybrid coating that is water-- based and low VOC. This single component coating can be applied to a variety of substrates including direct to freshly poured asphalt\*. BSM-1600 comes in black, green, gray, tan, brown and can be customized to match any color with a minimum batch size of 55-gallons.

BSM-1600 Series dries to the touch in approximately 30 minutes, can be walked on in 8 hours and can withstand vehicle traffic in 48-72 hours. BSM-1600 bonds to asphalt and concrete substrates, provides non-skid performance and is highly resistant to abrasion, impact, chemicals and atmospheric salts. The Synthetic Membrane exhibits tremendous elongation, tensile strength and may be applied in only 1 coat. It fills and seals existing cracks, chips, spalled areas and fishers up to 1/16". If damage occurs from snow removal equipment etc., simply clean the affected area and recoat, as the coating adheres to itself with no primer needed.

\*When applying direct to asphalt, make sure the asphalt has cured for a minimum of 7 days.

##### APPLICATIONS:

- Asphalt walkways, pathways, driveways, parking lots, entrances, stairways and warehouses.
- Concrete floors, garages, warehouses, walkways, breezeways and bridges.
- Sports courts, tennis courts and game rooms.
- Shopping malls, office buildings and industrial park entrances.
- Theme parks, swimming pool decks, docks and piers.

##### FEATURES:

- Bonds to asphalt, mineral and organic substrates
- Quick dry
- Water--based and Low VOC
- Single component (No primer needed)
- 1 coat application
- Easy repair
- Multiple colors
- Easy application – pour and broom, brush or squeegee
- Foot and vehicle traffic durability

#### TECHNICAL DATA

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FINISH:	Flat
COLOR:	Black, Green, Gray, Tan, Brown ( <i>Custom Colors Available</i> )
VOLUME SOLIDS:	49.87%
SOLIDS BY WEIGHT	66.41%
RECOMMENDED DFT:	3 MILS DFT ;; 6 MILS WFT
FLASH POINT (SETA):	Not Determined
CURING TIMES @ 75°F (24°C):	
To Touch:	30 minutes
Full Cure:	48 -- 72 hours
To Recoat:	6 hours
VOC:	50 g/L
NET WEIGHT:	12.54 lbs/gal
PACKAGING:	5--gal & 55--gal plastic containers
SHELF LIFE:	1 Year
STORAGE & HANDLING	Store between 40°F (4°C) to 90°F (32°C) in a cool, dry, well--ventilated area, out of direct sunlight and moisture. ( <i>Keep unused material tightly closed at all times.</i> )



## SYNTHETIC MEMBRANE

### BSM--1600 SERIES

#### TECHNICAL DATA (Cont.)

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##### TYPICAL COVERAGE RATES

<u>SUBSTRATE</u>	<u>FT<sup>2</sup> / GALLON</u>		
CONCRETE	80	-	120
ASPHALT	45	-	60
WOOD	80	-	120
STONE	80	-	120

*(Coverage rates may vary depending on substrate specifics & application tools used)*

#### SURFACE PREPARATION

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##### ALL SURFACES:

Surfaces must be clean and dry prior to application. Remove all environmental contaminants and clean oil spots by first pressure washing the substrate and then allowing it to dry. Remove all existing peeling, blistering or loose materials. Ensure the substrate is intact and well bonded.

##### SURFACE TEMPERATURE:

40°F (4°C) to 100°F (38°C). Surface should be dry (at least 5°F (3°C) above the dew point) with no damp or frozen moisture within the substrate. *This product will cure slower in lower temperatures.*

#### APPLICATION

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##### ALL SURFACES:

The preferred method of application to large surface areas is by strip brush, broom, or sealcoating squeegee (*A sealcoating squeegee will yield lower coverage rates than a strip brush or broom when applying product to asphalt, but will dramatically decrease application time*). Product application to small areas is best achieved by 3/8" (10mm) nap roller or brush.

The product may be poured onto the surface and then uniformly spread out. Avoid leaving any puddles of material or highly thick areas. For ease of application over large areas, it is recommended that applications begin furthest from the point of exit and all "edging" be completed first. Upon completion of product application to all edge perimeters, begin application to the uncoated areas-- in between the already coated edges. Pour the product out and level it by making long sweeping "half-moon" shaped passes, somewhat overlapping the coated edges. For a more uniform final appearance, do not lift the application tool after each pass. It may be necessary to utilize 2--3 applicators in tandem, all followed by a "finisher" to successfully level out large volumes of product at one time.

If the surface is above 85°F (29.4°C), apply a light fog water spray, but do not fully saturate the substrate with water. If the product begins curing, or creates a "skin", before it is uniformly spread out, increase application speed or decrease the volume of product that is to be applied at a given time. Do not apply with the threat of rain within 72 hours.

##### CLEANUP:

Flush and clean all equipment with water immediately after use.

#### WARRANTY

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SEI warrants our products to be free of manufacturing defects in accord with applicable SEI quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by SEI. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SEI, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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