

WATERPROOFING - liquid

# SBS-GUM

One component elastic bituminous liquid waterproofing

Liquid waterproofing based on water, bitumen and resin, suitable to protect and waterproof foundations, concrete and wooden structures. It replaces bituminous membranes on the waterproofing of vertical foundations, concrete floors over which it will then be applied a final screed.

## BENEFITS

- Easy and quick application
- Multipurpose
- High elastic
- In combination with *Polites TNT* net it substitutes the traditional bituminous membranes applied by flames
- Resistant up to 5 ATM of pressure
- No weldings
- It does not need a primer
- Application even during winter time (up to +5°C)
- Solvent free product.

## YIELD

1,2 – 1,4 kg/m<sup>2</sup> applied in vertical in two coats.  
2,5 kg/m<sup>2</sup> if applied with *Polites TNT* net in two coats.

## COLOUR

Black.

## PACKAGING

5 kg or 25 kg plastic bucket.

Pallet:

- n° 20 boxes, 4 pieces each (tot 400 kg) for the 5 kg bucket;
- n° 48 buckets of 25 kg each (tot 1200 kg).

## APPLICATION FIELDS

Cold waterproofing of:

- foundations;
- retaining walls;
- concrete in contact with the ground or masonry structures;
- flashings or concrete chimneys;
- other concrete structures;
- wood structures;
- bathrooms;
- shower boxes.

In combination with *Polites TNT* net it replaces the traditional bituminous membrane systems applied by flames.

Moreover, it can be used for the restoration and re-waterproofing of cracks, lesions and detachments of bituminous and slated membranes, new or old, in combination with *Polites TNT* net.

Product for outdoor.

## STORAGE

Store the product in well ventilated area, away from sunlight and ice, at temperatures between +5°C and +35°C.

Storage time: 12 months.

## SUPPORT PREPARATION

- The support must be completely hardened, dry and resistant.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts.
- Do not apply over damaged surfaces.
- The temperature of the support must be between +5°C and +35°C.
- In case of new cement support, this must be perfectly dry and seasoned.
- If necessary, take care that there are the right slopes for the flow of water.



Diasen srl

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14

EN 1504-2

**Products and systems for the protection and restoration  
of concrete structures – Part 2 : Systems to protect  
concrete surfaces**

Adhesion to concrete	0.53 N/mm <sup>2</sup> , break type A/B
Fire resistance	class B – s2,d0



For application video,  
product page, safety data  
sheet and other information.

## Waterproofing - Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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Technical Data		
Features		Unit
Yield	1,2 – 1,4 kg/m <sup>2</sup> applied in vertical in two coats. 2,5 kg/m <sup>2</sup> with <i>Polites TNT</i> net in two coats	kg/m <sup>2</sup>
Aspect	liquid	-
Colour	black	-
Dilution	5% of water only if it is strictly necessary	-
Mixture consistency	liquid	-
Application time (pot life) at 20°C, R.H. 40%	24	hours
Waiting time between 1st and 2nd coat (T=20°C; R.H. 40%)	max 24	hours
Application temperature	+5 /+35	°C
Drying time (T=20°C; R.H. 40%, about 1 mm of thickness)	48	hours
Working temperature	-15 /+40	°C
Storage	12 months in its original containers and in dry place	months
Packaging	5 or 25 kg plastic bucket	kg

Final performances		Unit	Regulation	Result
Waterproofing	5,0	atm	UNI EN 12390-8	waterproofing
Crack Bridging Ability	3,2	mm	-	-
Weathering Test	1000 hours without remarkable changes	ore	ASTM G-154	resistant
Elongation after weathering test	800%	-	DIN EN ISO 527-3	elastic
Resistance after 50 freeze-thaw cycles (-15°C/+15°C)	unchanged	-	UNI EN 202	unchanged
Water absorption (7 days, 1 mm thick)	18%	-	-	-
Water permeability (in 6 hours)	0,007±0,0003	kg/m <sup>2</sup> h <sup>0,5</sup>	DIN EN ISO 1062-3	class W3 - low
Water permeability (in 24 hours)	0,010±0,0012	kg/m <sup>2</sup> h <sup>0,5</sup>	DIN EN ISO 1062-3	class W3 - low
Adhesion to concrete	0,53	N/mm <sup>2</sup>	UNI EN 1542	type A/B break
Fire resistance	class B – s2, d0	-	UNI EN 13501-1	-

The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

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## MIXING

Mix the product before the application using a professional drill mixer with whip. If necessary dilute with 5% of water; the product is anyway ready to use. The water indicated on the package is merely indicative. It is possible to obtain a more or less fluid mixture depending on the application to be done. Never add antifrost products, cement or aggregates.

## APPLICATION

### Waterproofing of foundations, concrete and wooden structures

Apply by brush, roll or water-spray brush, two coats of product, taking care to completely cover the entire surface. *SBS-Gum* can be also applied with water squeegee over wide horizontal surfaces. Wait at max 24 hours between the two applications (at 20°C and with relative humidity level of 40%). In case of rain on a non perfectly dry product, take care to verify the suitability of the successive layer.

### Waterproofing replacing the bituminous membranes system

1. Apply a first coat by brush, roll or airless. *SBS-Gum* can be applied also with water squeegee over wide horizontal surfaces. In case of rain on a non perfectly dry product, carefully verify the suitability of the successive coat.
2. When the first coat is not completely dry, apply Polites TNT net to maintain 3 cm of overlapping over joints. Polites TNT must not present curlings and bubbles.
3. Apply a second coat of product taking care to completely cover Polites TNT net avoiding to leave holes on the surface.

### Localized restoration of bituminous membranes

1. Apply a first coat by brush, roll or airless. *SBS-Gum* can be applied also by water squeegee over a wide horizontal surface. In case of rain on a non perfectly dry product, carefully verify the suitability of the successive coat.

2. When the first coat is not completely dry, apply Polites TNT net to maintain 3 cm of overlapping over joints. Polites TNT must not present curlings and bubbles.
3. Apply a second coat of product taking care to completely cover the TNT net avoiding to leave holes on the surface.

## DRYING TIME

At 20°C and with a relative humidity level of 40% the product gets completely dry in 48 hours. Once completely dry, protect the product with PVC draining sheets or membranes.

- If applied with high thickness, it can get dry superficially but slower in deep.
- Once *SBS-gum* is dry, it is possible to realize the casting or the covering screed, thus providing a suitable isolating layer, to be realized using a TNT sheet.

## SUGGESTIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C.
- During summer season apply the product during the cooler hours of the day, away from sun.
- Do not apply under imminent threat of rainwater, fog or relative humidity level higher than 70%.
- Do not use the product to waterproof surfaces in contact with ponding water, drinkable water, organic solvent, mineral, vegetal or animal oils.

## CLEANING

Wash tools with water before product hardening.

## SAFETY

For the handling, see product safety data sheet.

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