



## TECHNICAL DATA SHEET (TDS)

# WATERPROOF BLUE LIQUID DPM PRODUCT SHEET | 2023



## 1. Product

### 1.1. Product Description

- \* Waterproof Blue is a one-product-solution for the waterproofing prior to tiling in bathrooms, wet rooms, and concrete floors. The waterproof paint membrane dries to a flexible membrane solution with high crack bridging properties.
- \* Application with an airless spray device or a roller. No corner reinforcement needed.
- \* Waterproof Blue is a solvent free polymer-based coating.
- \* Waterproof Blue is fit for use both on horizontal and vertical surfaces.
- \* For waterproofing of Building foundations, floors in wet rooms and balconies under cement-based screeds or tiles.
- \* Perfect for DPM onto kicker blocks at damp course level.

### 1.2. Product Adhesion

Waterproof Blue can adhere to the following substrates.

#### 1.2.1.

- \* Concrete blocks, Bricks, Cement based coatings, plasters, silicate stone, Plywood, OSB, Water resistant boards, Existing tiled walls, and floors.

#### 1.2.2.

- \* Waterproof Blue cannot be applied on surfaces containing bitumen.

### 1.3. Product Characteristics

#### 1.3.1.

- \* Blue liquid

#### 1.3.2.

- \* Density (g/cm<sup>3</sup>): 1.2

#### 1.3.3.

- \* pH: 0.9

#### 1.3.4.

- \* Solids (%): >50%

#### 1.3.5.

- \* Elongation at break (DIN 53504) (%): >250

#### 1.3.6.

- \* VOC: < 5ppm

#### 1.3.7.

- \* Resistant to -30 degree Celsius up to 100 degrees Celsius (after curing)

### 1.4. Product Packaging

#### 1.4.1.

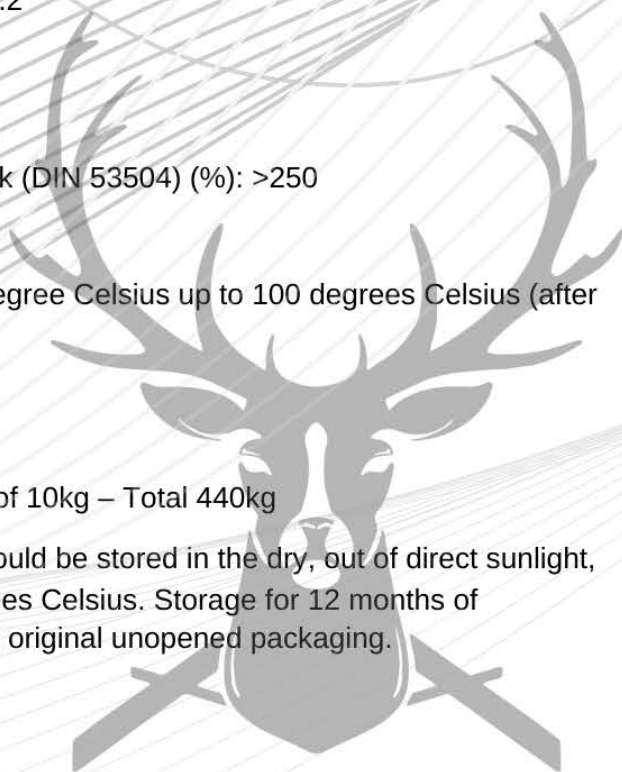
- \* Tubs of 10kg

#### 1.4.2.

- \* Pallets of 44 tubs of 10kg – Total 440kg

### 1.5. Product Storage

Waterproof Blue should be stored in the dry, out of direct sunlight, between 5-20 degrees Celsius. Storage for 12 months of manufacture date in original unopened packaging.





## 2. Application

### 2.1. Preparation

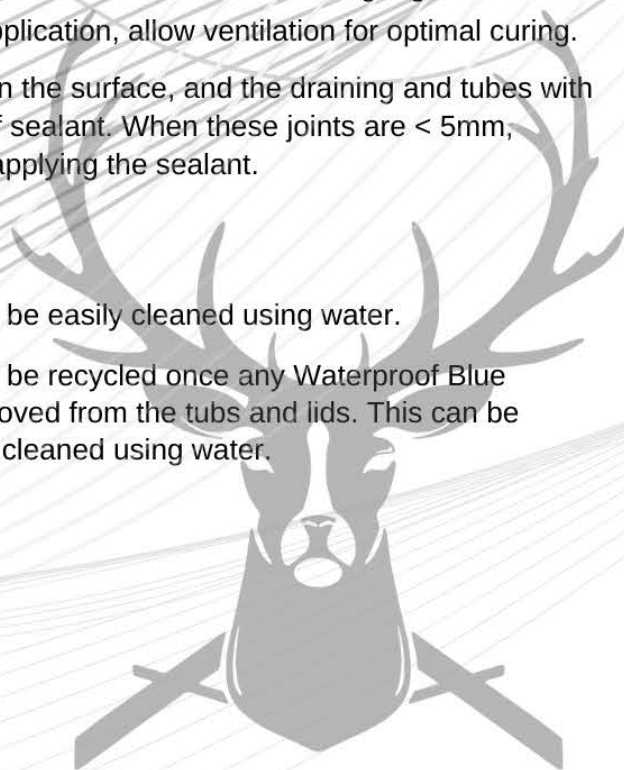
- 2.1.1. \* Ensure the surfaces to be sealed are dust free. Remove any loose or flaking material.
- 2.1.2. \* Remove any standing water or any other pollutions that may affect adhesion.
- 2.1.3. \* Verify that the surfaces are dry and solid.
- 2.1.4. \* Close all gaps and joints with a width > 1mm with a fast set cement-based repair mortar.
- 2.1.5. \* Applying on existing tile floors is possible, providing they are well adhering and roughened prior to application.
- 2.1.6. \* Temperature during application and drying of Waterproof Blue in > 5 degree Celsius.

### 2.2. Application


- 2.2.1. \* Mix Waterproof Blue before use.
- 2.2.2. \* Do not mix Waterproof Blue with water or solvents.
- 2.2.3. \* Apply Waterproof Blue with an airless spray device (such as a Graco 595) or a roller, in two layers, the second layer crosswise after setting the first layer.
- 2.2.4. \* Total consumption 1kg/m<sup>2</sup> which is 1000-micron wet thickness. Wet thickness needs to be verified with a wet film gauge.
- 2.2.5. \* In case of internal application, allow ventilation for optimal curing.
- 2.2.6. \* Fill the joints between the surface, and the draining and tubes with a paintable waterproof sealant. When these joints are < 5mm, enlarge these before applying the sealant.

### 2.3. Cleaning

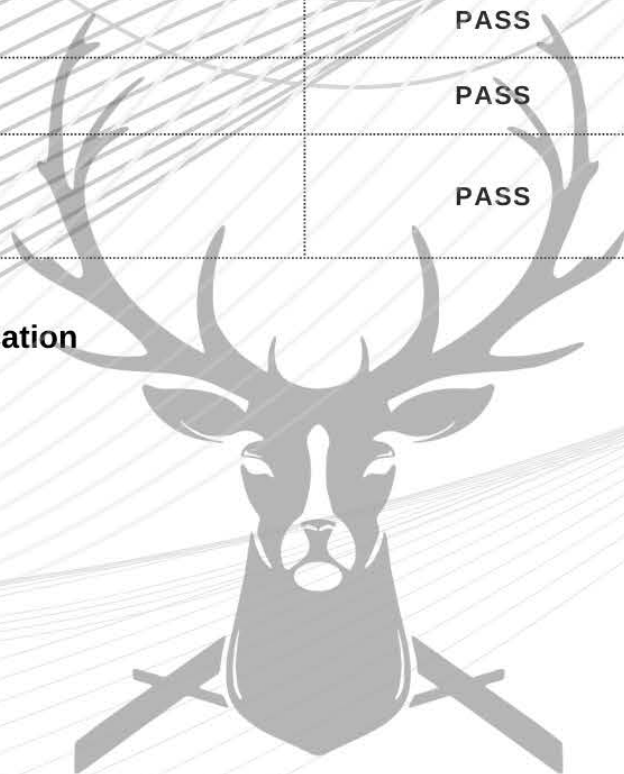
- 2.3.1. \* Waterproof Blue can be easily cleaned using water.
- 2.3.2. \* Waterproof Blue can be recycled once any Waterproof Blue product has been removed from the tubs and lids. This can be peeled of when dry or cleaned using water.



### 3.0. Test report's

INSTITUTE	TEST	STANDARD	VALUE
	ADHESION	ISO4624 (2016)	1,7 N /MM <sup>2</sup>
	ADHESION AFTER WATER CONTACT		
	ADHESION AFTER AGING		
	ADHESION AFTER CONTACT WITH ALCALIN WATER		
	ADHESION AFTER FROST/DEFROST CYCLES	NBN EN 14891 (2012)	≥ 0,5 N/MM <sup>2</sup>
	WATER TIGHTNESS		PASS
	WATER ABSORPTION		PASS
	CRACK BRIDGING		PASS

**SAFETY-** Consult the safety data sheet prior to application  
Always refer to the C.O.S.H.H sheet





## 4.0. Do's and don'ts

### DO'S

- 4.1.** Do mix before use
- 4.2.** Do use AW-1 cleaner to break down/flush the surface pro latex before fully rinsing with water when cleaning the machine. Latex congeals with water.
- 4.3.** Do use appropriate PPE according to the nature of the work
- 4.4.** Before using a new/different product completely drain or bleed and flush lines or equipment from previous products
- 4.5.** Clean up any spills in the area immediately to avoid slippery surface
- 4.6.** Use the drip tray when possible
- 4.7.** Do use the correct tip size and pressure suited to the person spraying the product and the product itself
- 4.8.** Do store in a safe place away from freezing temperatures/extreme heats
- 4.9.** Do recycle or clean and re-use empty tubs
- 4.10.** Do use a wet film gauge to measure the thickness of the product
- 4.11.** Do mask any surfaces areas you do not want to get hit from potential overspray
- 4.12.** Do always follow H&S guidelines
- 4.13.** Do always know where on site accident kit is kept in case of emergency
- 4.14.** Do always read the product sheet for further instructions and guidance before the application
- 4.15.** Do seal the tub back up after use
- 4.16.** Do use a wet film gauge to verify the total consumption of 0,8kg /m<sup>2</sup> or 2 layers of approx. 0.4kg/m<sup>2</sup> depending on the roughness of the substrate

### DON'TS

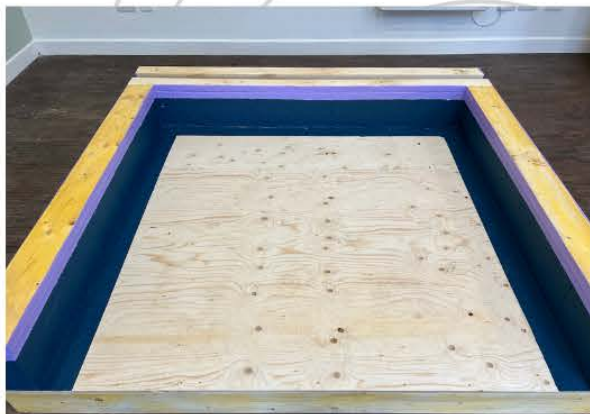
- 4.17.** Do not use under 5 degrees temperature expecting to drop below 5 degrees or freezing point within the next 24-48 hours
- 4.18.** Do not use in the rain or when rain is expected within the next 24-48 hours
- 4.19.** Do not mix/dilute with water or solvents
- 4.20.** Do not externally (internal use only, not UV stable)
- 4.21.** Do not consume
- 4.22.** Do not use for anything else other than its intended purpose of a airtightness and vapour control barrier i.e. Do not use as a waterproofing/tanking
- 4.23.** Do not mix with any other products
- 4.24.** Do not spray LESS than the guided amount of at least 0,8kg/m<sup>2</sup> 0.800 microns verify using a wet film gauge
- 4.25.** Do not keep outside in cold temperature/always store in a safe place
- 4.26.** Do not spray onto pile/fuzzy weather strip in sliding doors
- 4.27.** Do not use as a protection for window (its permanent)
- 4.28.** Do not differ from given product sheets and data





## 5.0 WATERPROOF BLUE LIQUID DPM GALLERY

### 5.1. Concrete, bricks, and cement-based examples:



5.1.2 Timber frame, kicker block, and sole plate



5.1.3 Kicker block



5.1.4 Concrete window sill



5.1.5 Kicker block



5.1.6 Kicker block



5.1.7 Kicker block



## 6.0. DATE OF THIS EDITION: 12/10/2023

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