

## PRODUCT DATA SHEET

# Sikalastic®-215 DRYLOK®

### Concrete & Masonry Waterproofer

#### DESCRIPTION

Sikalastic®-215 DRYLOK® is a concrete and masonry waterproofer using unique polymer technology that penetrates porous substrates, seals capillary pores, and forms a durable, smooth waterproofing finish. It includes a biocide to resist mildew on the dry film and is tested to ASTM D7088, withstanding 15 PSI - equivalent to 10 meters of wall water pressure.

#### USES

Ideal for interior/exterior, above/below grade masonry including cinder, concrete block, stucco, bricks, and even bare concrete pool.

- For positive and negative waterproofing
- For basements, lift pits, and non-potable water tanks, etc.
- For long-term soaking environments such as pools and fountains.
- For home decoration or DIY waterproofing in kitchens, bathrooms, walls, and similar areas.
- Can be recoated with latex paint or used under tiles.

#### PRODUCT INFORMATION

<b>Packaging</b>	5.0 kg, 20 kg	
<b>Colour</b>	White	
<b>Shelf Life</b>	2 years from date of production	
<b>Storage Conditions</b>	Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 4 °C and 35 °C.	
<b>Density</b>	~1.38 g/ml	
<b>pH-Value</b>	9.0 ± 0.5	
<b>Solid Content</b>	69.0 ± 2 %	
<b>Volatile organic compound (VOC) content</b>	< 25 g/L	ISO-11890-2

#### CHARACTERISTICS / ADVANTAGES

- Stops water even under pressure
- Ready to use
- Bright white, smooth finish
- Resists 15 PSI, equivalent to a wall of water 10 meters high
- Resists mildew on the dry film
- Helps mitigate efflorescence

#### ENVIRONMENTAL INFORMATION

Conformity with LEED v2009 IEQc 4.2: Low Emitting Materials - Paints and Coatings

#### CERTIFICATES AND TEST REPORTS

- Resistance to Hydrostatic Pressure to 10 meters according to ASTM D7088
- Singapore Green Building Product Certificate Excellence

Colour White paste

## TECHNICAL INFORMATION

<b>Abrasion Resistance</b>	Washability: 10,000 cycles	(internal for paint evaluation)
<b>Tensile Adhesion Strength</b>	>1.0 MPa	(ASTM D7234)
<b>Resistance to UV Exposure</b>	1000 hours: No chalking, crack, blistering note: Accelerating test per cycle: UVA-340nm 108 min dry @ 63°C +12 mins condensation @ 50°C	(GB/T 18244-2022)
<b>Microbiological Resistance</b>	Pass	(GB1741-2020)
<b>Permeability to Water Vapour</b>		
<b>Water Penetration under Pressure</b>	No water penetration @0.3MPa pressure 120 mins	(GB/T 16777)
<b>Water Penetration under Negative Pressure</b>	No water penetration @ 15 PSI	(ASTM D7088)

## APPLICATION INFORMATION

<b>Consumption</b>	Primer	Sikalastic®-215 DRYLOK®	0.3 kg/m <sup>2</sup>
	1 <sup>st</sup> layer	Sikalastic®-215 DRYLOK®	0.6 kg/m <sup>2</sup>
	2 <sup>nd</sup> layer	Sikalastic®-215 DRYLOK®	0.6 kg/m <sup>2</sup>
	Wet film thickness:	1.10 mm	
	Dry film thickness:	0.75 mm	
<b>Ambient Air Temperature</b>	+10°C min. / +40 °C max.		
<b>Relative Air Humidity</b>	85 % max		
<b>Waiting Time / Overcoating</b>	Base layers	Waiting time	
	1 <sup>st</sup> layer to primer	~ 30 mins	
	2 <sup>nd</sup> layer to 1 <sup>st</sup> layer	~ 2 hours	
	Topcoat with latex paint*	24 hours	
Note: Above values are at +25 °C and 50 % relative humidity. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			
* When interior or exterior painting is required.			

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS OF USE

Sikalastic®-215 DRYLOK® may be applied over previous coatings in sound condition, but waterproofing function will be sacrificed.

**Not recommended for horizontal areas exposed to foot traffic.**

**Not for use in fishponds or potable water tanks.**

## IMPORTANT CONSIDERATIONS

If leaking is still present after application, it indicates that pores or pinholes are still open. These areas should be painted again. When painting the inside of pools and non-potable water tanks, allow Sikalastic®-215 DRYLOK® to dry at least one week before putting into service.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

Brush or roller or spray

### SUBSTRATE QUALITY

New concrete: When applying to new concrete, let concrete cure for 28 to 30 days or reach a pH of below 10 before applying Sikalastic®-215 DRYLOK®.

## SUBSTRATE PREPARATION

Surface must be clean and free from dirt, dust, grease, oil, form release compound, or paint.

Old paint in poor condition must be removed by using suitable means.

Patch all holes or cracks and the floor/wall joint with Sika®-102 Waterplug or Davco Rapid Plug a fast-setting hydraulic cement, and smooth the patch evenly with the surface.

Efflorescence, a white, powdery, crystal-like deposit visible on the masonry surface, must be removed. Muriatic acid is one of effective efflorescence removal agents.

## APPLICATION

STIR THOROUGHLY BEFORE AND DURING APPLICATION.

Only primer allowed adding maximum 10% water.

Air and surface temperatures must be 10°C or higher.

Substrate moisture content maximum 5%.

Wait for a dry (rain-free) period to apply. It is recommended to test the product in a small area prior to full application to ensure the desired effect is achieved.

For first coat primer application, always recommend good quality nylon bristle brush, apply Sikalastic®-215 DRYLOK® into the pores of the masonry, making sure to fill all pores and pinholes.

Second and third layer can be applied by roller [3/4" (19mm) nap], brush, or spray.

APPLY THREE COATS.

Spray specification:

Airless Spray: Graco Max II 595 PC Pro Electric Airless Sprayer, Hi-Boy

Hose: 1/4" \*50'

GPM: Max 0.7

Tip: 0.031"

Manifold Filter: 30 mesh

Gun Filter: 60 mesh

Spray tips: To achieve production rates at 600g/m<sup>2</sup> (WFT 430 µm) best results using a 525 or 527 reversible tip. (Two passes overlapping the spray pattern).

Clean: Flush pump and clean sprayer with hot soapy water

Appearance:

For brush application, it will leaves brush mark;

For spray application it will show ideal smooth finish.

However, for decorative purposes, you can apply a good quality latex paint. Wait 24 hours before applying decorative topcoat.

## CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,  
71800 Nilai, Negeri Sembilan D.K.  
Malaysia  
Phone: +606-7991762  
e-mail: info@my.sika.com  
Website: www.sika.com.my



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