

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 concrete block, stucco, bricks, and even bare concrete ponds.

- For positive and negative waterproofing
- For basements, lift pits.
- For ponds and fountains etc.
- For home decoration or DIY waterproofing in kitchens, bathrooms, walls, and similar areas.
- Can be recoated with latex paint or used under tiles.

FEATURES

- 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

CERTIFICATES AND TEST REPORTS

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

PRODUCT INFORMATION

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

TECHNICAL INFORMATION

Abrasion resistance	Washability: 10,000 cycles	(internal for paint evaluation)
Tensile adhesion strength	>1.0 MPa	(ASTM D7234)
Resistance to UV exposure	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)
Microbiological resistance	Pass	(GB1741-2020)
Water penetration under pressure	No water penetration @0.3MPa pressure 120 mins	(GB/T 16777)
Water penetration under negative pressure	No water penetration @ 15 PSI	(ASTM D7088)

APPLICATION INFORMATION

Consumption	On Dry Substrate		
	System build up	Product name	Consumption
	Primer	Sikalastic®-215 DRYLOK®	0.3 kg/m² *
	1 st layer	Sikalastic®-215 DRYLOK®	0.6 kg/m²
	2 nd layer	Sikalastic®-215 DRYLOK®	0.6 kg/m²
	Wet film thickness		1.10mm
	Dry film thickness		0.75mm
	* Based on substrate condition, Sikalastic®-215 DRYLOK® is allowed to add maximum 10% water only when applied as primer.		
	On Wet Substrate		
	System build up	Product name	Consumption
	Primer	Sikalastic®-201 DRYLOK® Wet Primer	0.15 kg/m²*
	1 st layer	Sikalastic®-215 DRYLOK®	0.6 kg/m²
	2 nd layer	Sikalastic®-215 DRYLOK®	0.6 kg/m²
	Wet film thickness		1.00 mm
	Dry film thickness		0.66 mm
	* Sikalastic®-201 DRYLOK® Wet Primer: not allowed to diluent.		
Ambient air temperature	+10°C min. / +40 °C max.		
Relative air humidity	85 % max		
Waiting time to overcoating	Base layers	on dry substrate	On Wet Substrate
	1 st layer to primer	~ 45 mins	~ 2 hours
	2 nd layer to 1 st layer	~ 2 hours	~ 2 hours
	Topcoat with latex paint*	24 hours	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 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.
- It withstands 10 meter static water pressure after proper installation, but not for active water. For all active water it should be sealed by injection or waterplug in advance.

IMPORTANT CONSIDERATIONS

When painting the inside of ponds and fountains, 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®. or applying Sikalastic®-201 DRYLOK® Wet Primer on new concrete with PH not more than 13.

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.

All masonry surfaces are subject to occurrences of efflorescence. The application of Sikalastic®-201 DRYLOK® Wet Primer will minimize the reoccurrence of efflorescence when the surface is properly treated.

APPLICATION

Stir thoroughly before and during application.

On Dry substrate

Substrate moisture content maximum 5%.

Air and surface temperatures must be 10°C or higher. Take Sikalastic®-215 DRYLOK® as self-primer, only when applied as primer allowed adding maximum 10% water. Wait for a dry (rain-free) period to apply.

Sikalastic®-201 DRYLOK® Wet Primer can be applied on dry substrate as primer as well. Recommend to damp the dry substrate with wet sponage before Sikalastic®-201 DRYLOK® Wet Primer application. Don't diluent Sikalastic®-201 DRYLOK® Wet Primer .

On wet substrate, or for stain blocking, efflorescence control refer to Sikalastic-201 DRYLOK Wet Primer Product Data Sheet

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/m² (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 EQUIPMENT

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

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Product Data Sheet

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