BRONYA

SUPERFINE HEAT INSULATION

Selection & Specifcation Data

Product Name	Bronya AquaBlock
Description	Bronya AquaBlock used for waterproofing of interpanel seams, floors and walls in bathrooms, kitchens and other similar areas (as a reverse waterproofing). Additionally, polymeric waterproofing can be used for vertical and horizontal bases
Features	• The surface of Bronya AquaBlock has no seams, therefore, it protects from leaks; • Elasticity reaches 220%, this indicates the high strength of the coating; • Waterproofing can be applied to any surface, due to the high adhesion. The base can be absolutely anything; • Easy installation. Applying waterproofing is a painting, and thus saving on labor costs. • Bronya AquaBlock not affected by sunlight, humidity, temperature changes • High speed of work; • Bronya AquaBlock easy to apply by brush, roller, trowel and spray.
Base	Water-based Acrylic Insulation Coating
Gloss	Flat
Priming	Self priming over non-ferrous materials (stainless steel & aluminum). Primer required for carbon steel substrates.
Topcoats	Please consult NPO Bronya Ltd.
Wet Weight	1.25 kg/liter
Average Coat Thickness	2 mm
Storage	Do not subject wet coating in pail form to freezing conditions. Coating should be kept in a warehouse between 60˚F and 90˚F

Substrates & Surface Protection

Surface Prep	Surface should be dry and free of foreign matter. Surface prep can be used to NACE 1-3 (SSPC SP 5-6) when applicable.
Ferrous Surfaces	Should be primed prior to application of Bronya Fireprotection. Since the coating is waterbased, it is important to have a boundary layer of protection to prevent flash rusting.
Non-ferrous Surfaces	The coating can be applied directly to nonferrous surfaces. Surface should be clean and free of any oil, dirt or other foreign matter.

Application Equipment

Listed below are the general equipment guidelines for the application of this product.

Airless Sprayer	Pump Ratio:	33:1 or larger
	Volume:	1.5 gpm (5.7 lpm) or greater
	Hose:	3/8” or larger with no more than 3’ of 1/4” whip. 1/2” hose recommended for length above 50’.
	Tip Size:	0.017” (for tight spots) 0.019—0.023” (Normal use)
	Pressure:	Any pressure
Small Spray Application	Please consult NPO Bronya Ltd. for the Small Application Gun. This gun is excellent for small applications and touch-ups.	
Brush	Can use	
Rolling	Can use	

Application Conditions

Surface Temperatures	Surface temperatures for applications should be greater than 15˚C or above. Lower surface temperatures will increase dry times.
Applications	Ambient & Cold (60˚—139˚F, 15˚—59˚C): For temperatures (surface or ambient — whichever is lower), an initial tack coat is recommended of 10 mils (0.25 mm or 250 microns). This tack coat will help eliminate sag on vertical wall applications. Tack coat should be dry to touch prior to next pass. Typical coat thickness should not exceed 20—22 mils (0.5—0.55mm) wet. Coating can be reapplied after each coat is thoroughly dry. Hot (>140˚F, >60˚C): Please consult NPO Bronya Ltd.
Application Thickness	Product can be applied in successive coats to increase insulation ability. There are no upper limitations.
Dryfall	Dryfall within a 3 ft radius

Cleanup & Safety

Cleanup	Equipment may be cleaned with soap & water
Safety	Half-face respirator recommended with ammonia cartridge or better. Eye protection recommended.
Ventilation	Recommended for constricted areas.
Caution	This material is not for human consumption
Clothing	Safety clothing & gloves are recommended

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Coating Specifcations

Appearance	mastic is a homogeneous paste white	#1.2.1 TC
Drying time to level 3 at a temperature of (20±2)° C,h, not more	1	GOST 19007
Conventional strength, MPa , not less	2,5	
Elongation at break, %, not less	220	
Strength of adhesion to the base, MPa (kgf/cm), not less	1,0	
Water absorption during 24 h, mass%, not more	2	

Polymeric waterproofing shall be watertight. When tested at a pressure not less than 0.001 MPa (0,01 kgf/cm2) for at least 72 h and pressure not less than 0,03 MPa (0,3 kgf/cm2) for at least 10 minutes on the surface of the sample must not show signs of water penetration.

Mixing & Thinning

Mixing Only a mud mixing paddle should be used. Use 1/2" drill motor to stir contents with paddle. Make sure drill is set to reverse to ensure that the paddle will not mar the bucket's inner wall. Please consult NPO Bronya Ltd. for paddle, if needed.

Thinning Thinning is normally not needed. Please consult NPO Bronya Ltd. for specifc instructions if thinning is desired.

Pot life Coating is one part, so no catalyzation is needed. Pail can be reused if properly sealed.

Container 20 liters (25kg)

Package, Handling & Storage

Container Wet (with pail/lid) 25.8–26.7 kg per 20 liters

Net Contents 25 kg per 20 liters

Flash Point (Setaflash) None

Storage Do not subject wet coating in pail form to freezing conditions. Coating should be kept in a warehouse between 60˚F and 90˚F.

Shelf Life 12 months shelf life from manufacture date.

Caution Do not let product freeze.