







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

Storage

## **Substrates & Surface Protection**

RECOMMENDED SUBSTRATE CONDITIONS Surface should be dry and free of foreign matter. Steel; blast cleaned to ISO-Sa2S (NASE 3), blasting profile 30 - 75 mkm (1.2 - 3.0 mils) or according to ISO-St3 Should be primed prior to application of Bronya Light Nord. Since the coating is waterbased, it is important to have a boundary layer of protection to prevent flash rusting. 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 Airless Sprayer Pump Ratio: 33:1 or larger 1.5 gpm (5.7 lpm) or greater 3/8" or larger with no more than 3' of 1/4" whip. 1/2" hose recommended for length above 50'. 0.017" (for tight spots) 0.019-0.023" (Normal use) Minimum of 3000 PSI Please consult NPO Bronya Ltd. for the Small Application Gun. This gun is excellent for small applications and touch-ups. Not recommended for this coating

## **Application Conditions**

Surface Temperatures	Surface temperatures for applications should be greater than 60°F (15°C) or above. Lower surface temperatures will increase dry times.
Applications	Ambient & Cold $(60^{\circ}-139^{\circ}F, 15^{\circ}-59^{\circ}C)$ : 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





## **Coating Specifcations**

Appearance composition	Suspension white	#.4.2. TC
Surface appearance	semi-plain matte film white	#.4.3. TC
Mass fraction of nonvolatile substances in the composition, not less than	at least 50 %	#. 4.4. TC
Ratio heat transfer, W/m2· ℃	1,4±0,7	#. 4.5. TC
Ratio thermal conductivity, W/m·°C	0,001±0,0002	#. 4.6. TC
Resistance to static action water at 20°C for	24 h	
The adhesion of the coating	at least 1	GOST 9.403-80 method A
Linear elongation, %	at least 1	GOST 28574-2014
Resistance variable temperature	More than 80	GOST 18299-72
Combustibility group	Г1	GOST 25898-2012
Group smoke-forming ability	B1	GOST 30244
Group Flammability	Д2	GOST 30402
Group toxicity combustion products	T2	GOST 12.01.044
Drying time for degree 3	5 hours	GOST 19007-73
Coverage dried film	186	GOST 8784-75
Film strength at impact	30	GOST 4765-73
UV resistance change in percent after 48 hours of irradiation	0,5 %	GOST 21903-76 method 2
Solar reflection	83%	ASTM E 903:01
The normal ratio radiation corrected	0,91	EN 673:1997
The ratio of OSL (SRI) for conditions with weak wind	103,56	ASTM E 1980:01
The ratio of OSL (SRI) for conditions with moderate wind	103,30	ASTM E 1980:01
The ratio of OSL (SRI) for conditions when the wind is strong	103,01	ASTM E 1980:01
The coefficient of permeability of the material, mg/m h PA	0,03	GOST 25898-2012
Surface temperature when applying the material,°C from	-20 to + 40	
Operating temperature, °C	-60 to + 90	
Material density at 20°C, kg / m3	600±10%	
Mass fraction of volatile substances, not more, %	43	
Hydrogen index of the material, pH	7.5-11.0	
Drying time and film formation at a temperature of (20±2)°C, not less than	24 hours	
Adhesion of the coating on the separation force, not less than, Mpa to concrete and brick surface to steel	1,3 2,2	
Resistance of coat to static action at a temperature of (20±2)°C, not less: Waters 5% NaOH solution	unchanged unchanged	





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		
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		
Package, Handling & Storage			
Container W (with pail/lid)	12.47 12.7 Kg per 20 mers		
Net Contents	s 11.7 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.		

The data within is true to the best of our knowledge on the date of publication and is subject to change without prior notice. We guarantee our products to conform to Bronya quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. All logos are property of their respective owners

