





Selec	tion & Specifcation Data	Surface Prep	Surface should Steel; blast clea blasting profile 3	ED SUBSTRATE CONDITIONS be dry and free of foreign matte ned to ISO-Sa2S (NASE 3), 30 - 75 mkm (1.2 – 3.0 mils) or
Product Name Description	Bronya Antirust NF- Bronya Antirust NF-unique material that can be applied directly to the rusty surface. Simple enough to remove with a wire brush "raw" (friable) rust, after which you can apply insulation Bronya Antirust NF observing instruction. Ultra-thin heat insulation Bronya Antirust NF -a special composition with high adhesion and corrosion characteristics, resistant to UV radiation and chemicals (solutions of salts, acids, alkalis, some types of petroleum products). The coating increases the service life of the insulated surface and protects against corrosion.The use of heat insulator Bronya Antirust NF in thermal insulation	Ferrous Surfaces	Antirust NF. Sin	ed prior to application of Bronya ce the coating is waterbased, it
			to prevent flash	e a boundary layer of protection rusting.
		Non-ferrous Surfaces	nonferrous surfa	n be applied directly to ices. Surface should be clean bil, dirt or other foreign matter.
		Α	pplication	Equipment
	of existing structures and pipelines significantly reduces labor costs, since it does not require special preparation of the working surface.	application of this	s product.	ment guidelines for the
Features	allows to perform thermal insulation of building metal	Airless Sprayer	Pump Ratio:	33:1 or larger
reatures	 allows to perform the international to balance in the international international international international international international international internation internation of condensation on cold water pipes and air ducts; allows to isolate equipment without stopping technological processes; allows to reduce repair costs in case of emergency situations by reducing the time of leak detection and removal of old insulation; to prevent temperature deformations of metal surfaces; it is the basis for the application of other modifications. 		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:	Minimum of 3000 PSI
Base Gloss	Water-based Acrylic Insulation Coating Flat	Small Spray Application	Please consult NPO Bronya Ltd. for the Small Application Gun. This gun is excellent for small applications and touch-ups.	
Priming	Self priming over non-ferrous materials			
	(stainless steel & aluminum). Primer required for carbon steel substrates.	Brush Rolling	Can use Not recommende	ed for this coating
Topcoats	Please consult NPO Bronya Ltd.			_
Wet Weight	5.2—5.3 lbs/gallon (0.63 kg/liter)	A	Surface temperatures for applications should be greater than 60°F (15°C) or above. Lower surface temperatures will increase dry times.	
Weight dry flm to area	0.035 lbs/ft ² at 20 mils dft (0.170 kg/m ² at 0.50 mm dft)	Temperatures		
Practical Volume 78–80% Solids Content		Applications	Ambient & Cold (60°–139°F, 15°–59°C): For temperatures (surface or ambient – whichever	
Average Coat Thickness	20—22 mils WFT at 70°—130°F (0.5 mm WFT at 21°—54°C		lower), an initial tack coat is recommended of mils (0.25 mm or 250 microns). This tack coat 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):	
Practical Dry Coat Coverage	50—55 ft²/gal @ 20 mils (1.3 m²/liter @ 0.5 mm)			
VOC Content	0.06 lbs/gal (7.6 grams/liter)			
Limitations	Applications should not exceed 375°F (190°C).	Application	Please consult NPO Bronya Ltd. Product can be applied in successive coats to increase insulation ability. There are no upper limitations.	
Storage	Do not subject wet coating in pail form to freezing conditions. Coating should be kept	Thickness		
	in a warehouse between 60°F and 90°F	Dryfall	Dryfall within a 3	3 ft radius

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Coating Specifcations

Appearance composition	Suspension white	#.4.2. TC
Surface appearance	semi-plain matte film grey (beige)	#.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· °C	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	HF(NF)	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	0,003	GOST 25898-2012
Surface temperature when applying the material,°C from	+7 to + 150	
Operating temperature, °C	-60 to + 150	
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 We (with pail/lid)				
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.			

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