



APPLICATION GUIDE for applying thermal insulation waterproofing coating Bronya ThermoHydroPlast

Bronya ThermoHydroPlast is a light-resistant, liquid, one-component composition based on a synthetic rubber polymer with the addition of solvents, functional additives and hollow microspheres, designed for waterproofing and heat insulation of various surfaces.

Bronya ThermoHydroPlast is designed for use at negative ambient temperatures from -25 ° C to +35 ° C. The material can be used for hydro and heat insulation of both enclosing structures of buildings, structures, and pipes, tanks and other facilities. The operating temperature of Bronya ThermoHydroPlast ranges from -55 ° C to +150 ° C.

1. Surface preparation

The insulated surface must be cleaned from dirt, rust, dust, old paint, remove crumbling elements, etc. If there are oil and greasy elements, it must be removed with a degreaser, or with a xylene solvent or white spirit. The surface must be dry (including not condensed). The surface is pre-primed.

More information about the material priming system:

- plastics should be primed with Bronya Universal Elastic or a primer layer can be made with Bronya ThermoHydroPlast;
- wood should be primed either with Bronya Universal Elastic or with Bronya ThermoHydroPlast;
- black metal should be primed with Bronya Metal Elastic;
- polycarbonate should be primed with Bronya Prism;
- plastic polycarbonate should be primed with Bronya Prism with geotextile or self-adhesive mesh tape;

IMPORTANT! The primer layer shall not be considered the first calculated layer.

2. Preparation of waterproofing coating BRONYA THERMOHYDROPLAST

**** CHECK INTEGRITY OF SEALS BEFORE OPENING THE CONTAINER ****

BRONYA THERMOHYDROPLAST is ready for use; it must be mixed intensively with a mixer (at least 3-5 minutes). Stirring speed is not higher than 120-150 rpm. **BRONYA THERMOHYDROPLAST** shall be diluted with xylene not more than 3-10%.



3. How to apply thermal insulation waterproofing coating Bronya ThermoHydroPlast

3.1 You can apply thermal insulation waterproofing coating Bronya ThermoHydroPlast using a brush, roller, airless spray device (GRACO Mark 5, Mark 7, Mark 10 with a nozzle size 527).

3.2 The material is applied in layers up to 1 mm at a time. The average material consumption is about 850 grams per 1 square meter with a layer thickness of 1 mm (approximate consumption when applying a brush coating to an even non-absorbent surface). The material consumption is affected by the surface type and the application method.

- a) Normal weather conditions: no rain, fog, strong wind;
- b) Air humidity: no more than 80%;
- c) Ambient temperature: -25 °C to +35 °C (with surface humidity analysis);

d) WARNING!!! WORK IN WELL VENTILATED ROOMS (USE FORCED VENTILATION IN ROOMS, BASEMENTS, RECESSES!);

e) DO NOT ALLOW AN OPEN FIRE SOURCE NEAR IT!

3.4 After application of the first layer of the waterproofing thermal insulation coating Bronya ThermoHydroPlast, if necessary, you can immediately, without waiting for its drying, evenly lay geotextile (density 80-100 g/m²), immediately pressing it with a roller or smoothing it with a brush. After drying to tack, apply the second finish layer of Bronya ThermoHydroPlast.

Instead of geotextile, you can use a self-adhesive mesh tape, a paint mesh with a cell of 2×2 mm, mainly for even surfaces! The drying time of one layer of Bronya ThermoHydroPlast coating is from 15 to 30 minutes at ambient temperature + 20 ° C, from 3 to 12 hours at high humidity, rain or subzero temperature.

The complete formation of the polymer surface takes from 72 hours to 2 weeks, under normal weather conditions, which leads to the formation of a seamless monolithic coating.

After the completion of the work, the tool is washed with an organic xylene solvent.

4. Safety in working with BRONYA THERMOHYDROPLAST

1. ATTENTION!!! WORK IN WELL-VENTILATED SPACES (IN ROOMS, BASEMENTS, DEPRESSIONS USE FORCED VENTILATION!);

2. DO NOT ALLOW NEAR AN OPEN SOURCE OF FIRE!

3. Use protective clothing, breathing, visual and skin protection equipment;

4. Avoid contacts with the eyes, skin and respiratory organs.



5. In case of eye contact, it is necessary to urgently rinse eyes with a large amount of water and consult a doctor immediately.

5. Storage and transportation conditions of BRONYA THERMOHYDROPLAST

The material must be stored in a closed container, in dry spaces, at a temperature from -35 °C to +35 °C. The shelf life of the material is 12 months.