



APPLICATION GUIDE

for applying an antirusting paint BRONYA UNIVERSAL ELASTIC

BRONYA UNIVERSAL ELASTIC – single component rubber-based paint, with addition of coloring pigments. It is designed to protect all types of materials (such as wood, concrete, brick, plaster, drywall, slate and much more) from atmospheric, mechanical and chemical effects, as well as to give them an aesthetically beautiful appearance. The material operating temperature ranges from -55 °C to +150 °C. **BRONYA UNIVERSAL ELASTIC** fits well on all types of materials. Painting may be carried out on surfaces with a working temperature between -25°C and +35°C (surface humidity analysis).

1. Surface preparation

The surface needs to be cleaned of dirt, rust, dust, old paint, removal of falling elements and others. If oily and greasy elements are present, they must be removed with degreaser or xylene solvent or white spirit. The surface shall be dry (including without condensation). Areas with a glossy surface must be treated to a matte state.

2. Preparation of paint BRONYA UNIVERSAL ELASTIC

When working with rubber paint **BRONYA UNIVERSAL ELASTIC**, special attention should be paid to:

1. Before opening the container, it is necessary to ensure the integrity of the seals.
2. When preparing the material, it must be thoroughly mixed for at least 2 minutes.
3. When applied by vacuum sprayer (GRACO Mark 5, Mark 7, Mark 10 with a nozzle size from 21 to 27, selected individually) the material must be diluted with xylene (no more than 5% of the composition mass).
4. When applied with a spray gun, the material must also be diluted with xylene (no more than 5% of the mass of the composition).

3. How to apply paint BRONYA UNIVERSAL ELASTIC

1. You can apply the **BRONYA UNIVERSAL ELASTIC** paint using a brush, roller, vacuum sprayer (GRACO Mark 5, Mark 7, Mark 10 with a nozzle size from 21 to 27, selected individually), spray gun.
2. The average consumption is 0,2-0,25 kg per m² per one layer. The drying time of one layer of paint is about 30 minutes at an ambient temperature +20°C and normal humidity. At low temperatures, high humidity, and rain – the drying time increases from 3 to 12 hours.



3. The insulation shall be carried out under the following conditions:
 - a) Normal weather conditions: no rain, no fog, no strong wind;
 - b) Air humidity: not more than 80%;
 - c) Ambient air temperature: from -25 °C to +35 °C (with surface humidity analysis);
4. The complete formation of the polymer surface takes 72 hours to 2 weeks, under normal weather conditions, resulting in a seamless monolithic coating.
5. After finishing the work, the tool is washed with an organic solvent xylene.

4. Safety in working with BRONYA UNIVERSAL ELASTIC

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. Do not allow the paint to get into 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. Technical specifications:

- Dry residue is not less than 52%;
- Density is 1300-1400 kg/m³;
- Time of drying to “casting” at a temperature of 20±3 °C = 20-30 min;
- Viscosity = 16 Pa•s (Pa*s) at 20°C;
- Initial tensile strength at 20°C = 36 kgs/cm²;
- Tensile strength = 148 kgs/cm²;
- Adhesion to concrete 2,5 mPa;
- Adhesion to metal 2,3 mPa;
- Adhesion to plastic 1,3 mPa;
- Adhesion (DIN ISO 2409) – G0;
- Resistance of the film to static water effects, at a temperature of 20±2 °C, h, at least 168 hours;
- Elasticity = 350%;
- Water swelling, at a temperature of 20°C and a time of 168h = 0%;
- Operating temperature ranges from -55°C to +150°C;
- Peak heating temperature without changing the coating quality is +320°C;
- Storage temperature ranges from -35°C to + 35°C;
- UV resistance = 100%.



6. Storage and transport conditions:

The material must be stored in a closed container, in dry spaces, at temperatures ranging from -35 °C to +35 °C.

The shelf life of the material is 12 months.

The service life of the coating is at least 10 years.