



BRONYA LIGHT NF AIRLESS thermal insulation filler – APPLICATION GUIDE

SUPERFINE HEAT INSULATION

Bronya LIGHT AIRLESS NF thermal insulation filler serves several purposes at a time: leveling of the surface, thermal and acoustic insulation, and the prevention of fungi and condensate on cladding of buildings and structures. Also, it is used as a separating layer in multilayer insulation structures, when BRONYA FASADE, BRONYA CLASSIC or BRONYA ANTICOR product modifications will underlie materials with a higher heat capacity ratio that, if applied in a standard way, would inevitably cause the deterioration of their thermal properties (all materials, except paper-based wallpaper and water-base acrylic paints).

The product has very good thermal insulation properties unrivaled by any other standard insulation material. It is intended to be used in construction and finishing for leveling inner and outer surfaces of concrete, brick, cement-lime plaster, gypsum block/slab, foamed/aerated concrete, gypsum plaster board, gypsum fiber board, etc. having operating temperatures from -60°C to +120°C.

Over time, during transportation and storage the product will radically split into separate layers of the super light filler and much heavier binder (to the extent that dry powder composition appears on the surface), which is acceptable.

Failure to perform the below post-transportation and post-storage activities would prevent the product from getting into a workable condition.

1. BRONYA LIGHT AIRLESS NF Insulation Filler Preparation

Prepare the filler as follows:

● Check that the container is undamaged and the seals are intact.

ATTENTION: Open the container only to prepare the product; do not leave the container open.

● Use only a mixer to stir the product at the maximum RPM during not less than 15 minutes with time supervision.

IMPORTANT: A possible mistake is that the product may seem smooth after a few minutes stirring. However, such visual criterion is incorrect and misleading. Be strict in observing the minimum time of intense mechanical stirring.

It is not possible to achieve the required uniform consistency necessary for working by stirring the product manually (even during a long time). You may add some distilled water, but not more than 5% of the product volume, to achieve necessary consistency.

Add minimum water in the product, if it is applied for the purpose of eliminating condensate, frost or mold.

2. Surface Preparation for Coating

Before application of BRONYA LIGHT AIRLESS NF filler, the surface must be prepared to achieve best adhesion and cut down on material.

Concrete surfaces

Clean the surface from loose pieces, crumbly parts, dust and dirt. Point the cracks (if any) and fill them with a sand cement mortar. Prime the surface with a deep-penetration acrylic primer in one or two coats. To achieve best results, we recommend using a BRONYA series primer.

Brick surfaces

To ensure good coating adhesion, the brickwork must be cleaned from bloom and old paint and treated with an antiseptic agent (biocide). Also, it is essential to prime the surface with a deep-penetration acrylic primer in one or two coats. To achieve best results, we recommend using a BRONYA series primer.

Lime plaster surfaces

The base must be dry, solid and rendered free of any dust, dirt, greasy or bitumen spots. Old paint must be removed. Any projecting parts must be eliminated. The surface must be primed with a deep-penetration acrylic primer in one or two coats. To achieve best results, we recommend using a BRONYA series primer.

Metal surfaces

Clean the metal surface from rust. Machine the surface until clear metal luster or treat with BRONYA ANTICOR antirust composition in one or two coats or coat it with a matt metal primer (we recommend using VL-02/VL-023 primers).

3. BRONYA LIGHT AIRLESS NF Insulation Filler Application

For airless application, heat-insulating coating Bronya Light NF Airless, you must remove all the filter elements, set the intake nozzle of the suction system in a bucket of material, the return hose to drop to the empty tank, switch the valve to "drain". Use the adjustment knob to apply pressure and pump the material into the pump, make sure that the material flows out of the drain hose into an empty container. Then switch the valve to the "spray" position, directing the paint sprayer to an empty container, release some of the material until a uniform composition appears. Set the operating pressure from 100 to 160 bar, suitable for use with Graco Mark 5 and Mark 10 airless sprayers. Install the nozzle in the nozzle holder (before starting all work, check the nozzle size with the material manufacturer or the nearest Bronya representative). Proceed to the staining of the surface, follow the technical map for the application.

4. Finishing after BRONYA LIGHT AIRLESS NF Application

BRONYA LIGHT AIRLESS NF thermal insulation filler is intended for preparation of cladding prior to finishing and may be used as a finishing coat only when treated with BRONYA AIRLESS NF water repellent sealer. Aftertreatment (including the finishing coat) may involve the use of any materials, such as wallpaper, paint, finishing and decorative plasters, ceramic tiles etc.

After the complete drying of BRONYA LIGHT AIRLESS NF filler, coat the surface with an acrylic primer (for best results, we recommend using the BRONYA special coating product line), then perform finishing work.

BRONYA LIGHT AIRLESS NF filler does not require sanding prior to application of the finishing coat: big pimples and warts can be cut with a knife.

5. BRONYA LIGHT AIRLESS NF Transportation and Storage Conditions

BRONYA LIGHT AIRLESS NF must be stored in a tightly closed container at a temperature from +5°C to +30°C, air humidity of 80% or less, away from direct sunlight.

The product can be shipped using any means of transportation at temperatures over +5°C away from direct sunlight. The transportation package must ensure a correct placement and safe handling of the container. Damage to the container will render the product unfit for use.

In case of failure to meet this application and storage guidelines, the manufacturer accepts no liability as to the quality of the coating.