

### Application of Koster NB 1 Grey using spray equipment

#### Koster NB 1 Grey

NB 1 is a crystallizing mineral waterproofing slurry system for sealing against pressurized water (>13 bar). Suitable for positive side and negative side waterproofing.

#### Guidelines for the application of Koster NB 1 Grey using Spray Equipment

Koster NB 1 Grey can be applied by brush or spray. When applied by spray, we recommend the following guide be followed: -

#### Surface Preparation

Surface Preparation should be as normal for NB 1 Grey applications. All coverings/loose materials should be removed back to the substrate of brick, block, stone, or concrete. Any protrusions should be ground off, and any voids filled with Koster Repair Mortar Plus. All brick/blockwork should be flush pointed and a Repair Mortar Plus coved fillets installed at the floor/wall junction.

Substrates should be primed with Koster Polysil TG 500 (150g to 250g/m<sup>2</sup>), applied by spray application until point of rejection. At least one hour after the Koster Polysil TG 500 application, the first coat of Koster NB 1 Grey can be applied. As with brush application, it is recommended that the NB 1 Grey be mixed with clean water and Koster SB Bonding Emulsion, this leads to a coating that will dry more evenly and will have better flexibility, as well as an increased adhesion to smooth substrates. The recommended mix of Koster NB 1 Grey and Koster SB Bonding Emulsion is the same as for brush application.

- 1 x 25kg Bag NB 1 Grey
- 6 Litres Clean Water
- 2kg (2 Litres) SB Bonding Emulsion

Koster NB 1 Grey can be applied with various spray equipment with large nozzle size (typical 4mm to 8mm). We recommend the Koster Peristaltic Pump, which offers a dependable and easy to clean method of coating large areas with Koster NB 1 Grey.

The NB 1 Grey mixture is placed in the pump hopper and the material sprayed directly onto the floor or wall (1.5kg of NB 1 Grey per m<sup>2</sup> for each coat). It should be noted that for the first coat, the sprayer is seen as a fast and convenient way of bringing the material onto the substrate, but the fresh material must always be brushed into the substrate with a stiff bristled brush such as the Koster Brush for Slurries. This ensures that the material is worked into the pores of the substrate and is not simply laying across the peaks of the surface profile.



Once the first coat is touch dry, the second coat can be applied. The second coat is mixed identically as the first coat and applied with the same spray setup.

The second coat does not have to be "brushed in" as the intercoat adhesion is always excellent.

If considered necessary for a smooth visual appearance the second coat or an optional third coat can be worked over with a steel trowel. The NB 1 Grey is not considered a final decorative finish. Dependent on the final use it will normally be overcoated with: A breathable paint finish (such a Koster Silicone Paint or MF1), Koster Restoration Plaster (in grey or white), a self-levelling screed such as Koster SL Premium, or Delta Type C, Cavity Drained Protection System, and associated build ups.

