

## ***N.P. / PLAST***

Negative Pressure Resistance Plaster

*N.P. / PLAST* is designed to resist moisture resulting from the negative pressure or negative oozing to walls of buildings, especially in basements.

*N.P. / PLAST* is based on a mixture of Portland cement, Type I in accordance with the specifications of ASTM C150, and special polymeric additives with Hydrophobic agent, and graded sand grains suitable for the work of the builders and give final appearance of soft clay.

*N.P. / PLAST* can be applied to thickness up to 20 mm and can be colored according to demand.

### **PRIMARY APPLICATIONS:**

- Repairing damaged plaster caused by negative pressure or negative oozing.
- Plastering concrete block walls.
- Resurfacing damaged concrete structures.
- Patch repairs and general filling applications.

### **FEATURES / BENEFITS:**

- Water negative pressure protective layer and impermeable of carbon dioxide.
- Suitable for interior as well as exterior applications.
- Suitable for vertical and overhead applications.
- Can be trowel applied or plastered by modern plastering machines.
- It is possible to plaster up to thickness of 20mm.

### **TECHNICAL INFORMATIONS:**

- Water powder ratio 0.16.
- Coverage: 25kg of *N.P. / PLAST* would cover around 1.4 m<sup>2</sup> at 10mm thickness.
- Color: grey
- Working time: 30 minutes.
- Initial sitting time: 24 hours.

**Placement:** For thickness exceeding 20mm, application should be in multiple layers. The first layer should be applied to a thickness of around 8 -10 mm. The second layer is applied continuously on the same day after the first layer dries a little. If the second layer is applied on the second day the first layer has to be scratched to form a key for the next layer and cured.

**Clean up:** Tools should be washed with water immediately after use.

**Curing:** After plastering the surface should be cured with water for one day.

### **PACKAGING / YIELD:**

*N.P. / PLAST* yields 14 liters of material when mixed with 5.2 liters of water.

### **SHELF LIFE:**

12 months from date of manufacturing under proper storage conditions. The product should be stored in a shaded dry place.

## **DIRECTIONS FOR USE**

**Surface Preparations:** the surface must be clean from all dust and grease.

In case of old surface which has already moisture or contain humidity even if its moistness over 40% at humidity measuring the surface should be removed until reaching the hard face like concrete wall or block wall.

The surface must be wetted out prior to the application of *N.P. / PLAST*.

The main purpose of *N.P. / PLAST* is to prevent water leakage, as moisture oozing, due to it's water reluctant characteristic.

The effectiveness of *N.P. / PLAST* depends on air pressure of the region, therefore it is advised to observe the altitude. So it's recommended to apply *N.P. / PLAST* on walls to a height of 100 cm +10 in coastal areas, or the division of the altitude to 1000 and then add 10 cm to the quotient for height necessary for the application, in other areas.

**Mixing:** The dry product should be added to the measured amount of clean water. The product should be mixed for around 10 minutes with suitable mixing equipment. Let the composition stand for 10 minutes and mix again as above. The above plaster mixture is now ready for application by hand troweling.

## **PRECAUTIONS / LIMITATIONS:**

Should not be used on painted surfaces or floors.