

# NEOLITH

## 76

### **AN ECONOMIC WATER REPLENT FOR MASONRY**

#### **WHAT THE PRODUCT DOES**

When applied to masonry it reduces and often prevents rain penetration without affecting the breathing porosity. It reduces dampness; reduces re-soiling rate and algae growths. The water repellent characteristics reduce the heat losses from a building and protection can be expected for about 10 years. It is intended for use on exterior masonry surfaces above ground level and the reduced water absorption will also reduce and prevent frost damage. It is not suitable for use on plaster nor on new concrete (i.e. within 1 month)

#### **PRODUCT DESCRIPTION**

It is a colourless solution of silicones in a hydrocarbon distillate of flash point approximately 40°C. The wide range of molecular weights of the silicones ensures good penetration into fine pores and the product meets the requirements of BS8221-1:2000. When applied on granites, sandstones, brick and terracotta also on concrete and on mortars which are older than 1 month (i.e. fully set).

The silicone is present in a white spirit solvent, which dries away within a few hours. The catalysts within the formulation take 3 days to polymerise the small molecules and give the water repellency.

#### **HANDLING AND STORAGE**

The solvents in this product are flammable and containers should be kept in a cool, safe, fire approved store and suitably trained responsible person detailed for security in depots, in transit and when on sites. The caps should be firmly closed when not in use.

Contaminated cloth or soil or treated masonry should be treated as potentially flammable until the solvent has dried off.

Use foam, carbon dioxide or dry powder extinguishers to extinguish fires.

Spillages should be dealt with immediately, only competent persons should handle this product. No naked flames or hot surfaces or smoking should be allowed near the product until it has dried.

#### **PRE-CLEANING RECOMMENDATIONS**

The masonry should be clean, free from algae and dirt, it must be dry before application of the product otherwise the NEOLITH 76 will run off the wet/damp surface. If applied over dirty masonry, the water repellency will make subsequent chemical cleaning or wash down by rain much more difficult. Re-pointing should be completed at least one month prior to application of silicone water repellents.

## **HOW TO USE THE PRODUCT**

It is important to fully saturate the surface of the dry masonry. The mortar joints should be sound but closing hair line cracks is not important. NEOLITH 76 should be flooded onto the surface either by brush or low pressure air spray. The curtain of NEOLITH 76 should run down about 6-10 inches below the bricks or blocks being coated to ensure sufficient material has been applied to soak into the masonry surface.

Adequate ventilation is important for rapid drying and to reduce the inhalation of white spirit vapours.

## **COVERAGE**

Usually 2-4m<sup>2</sup>/l. Arising from the absorbance of the stone or brick. Storage life 2-3 years.

## **MATERIALS TO BE AVOIDED**

Splashes on glass or plastic surfaces should be washed off immediately using clean white spirit on cloth, and then the surfaces wiped dry with a clean cloth. The duration of protection on limestones, Portland stone and calcited stone is less than that achieved on brick and sandstone.

Oil and emulsion exterior painted surfaces can be coated with silicone water repellent if it is applied 2-3 days after the exterior paint (i.e. when thoroughly dry) also then paints can be applied over silicone treated surfaces.

## **PROTECTION OF OPERATIVES**

Plastic protective clothing, gloves, feet and eye protection are advisable. The dangers to operatives are similar to those applicable when painting and good ventilation is necessary. The quantity of fumes in the air should not be greater than 200 ppm. No one should have access or pass beneath areas where work is in progress. No smoking, naked flames or hot surfaces should be near to the area. Spillages should be dealt with immediately. Planks, scaffolding and equipment should be well washed down at the end of each day.

## **FIRST AID ADVICE**

Splashes on the skin or clothing should be washed off immediately with soapy water. Splashes in the eyes should be washed with clean water. If irritation of the eyes or skin persists seek medical help. The product would be toxic if swallowed.

## **ECOLOGY**

The white spirit solvent is completely volatile and will dry off into the air; spillages should be prevented from entry into surface drains by absorption into soil or sand. Covering with a plastic sheet should protect plants and bushes. The area can be washed down with clean water on work completion. It is not intended that this product as a liquid should enter soil or surface water soluble or harmful in wash down waters.

## **DISPOSAL OF CONTAINERS**

When empty the containers should be filled with water and then emptied in an approved place before disposing of them.

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