



INTRAPRUF WATERPROOFER



Issue date: 24-2 / 0809

**WATER-REDUCING
ADMIXTURE**

**INTEGRAL
WATERPROOFER**

**PROTECTS AGAINST
MOISTURE INGRESS**

DESCRIPTION:

PALACE INTRAPRUF WATERPROOFER is an aqueous solution of refined fatty acid based water repellents and sodium silicates for use as a mortar / render water-proofing admixture to give integral water-proofing activity, protecting internal walls against moisture ingress from capillary migration from damp brickwork and in external applications restricting penetrating dampness from rainwater. The water-reducing and plasticising properties of this additive also improves the density, strength and long-term durability for use in applications such as re-pointing; rendering; plastering and screeding.

INTRAPRUF WATERPROOFER imparts improved levels of workability, making for easier placement of mortar, plaster, render and floor screeds. The benefits of improved plasticising properties allows for levels of water reduction, which not only reduce the risk of drying shrinkage and cracking, but also results in higher long-term strength development in the hardened mortar.

INTRAPRUF WATERPROOFER is the ideal additive for use when re-plastering internal walls following the installation of an injected damp-proof course. It's effectiveness in increasing the density and water-repellency of an internal render will inhibit the migration of salt-bearing moisture from brickwork above the DPC level, thus leaving the internal walls free to be finished and re-decorated without risk of further damage through dampness.

MIX GUIDELINES:

To ensure that **INTRAPRUF WATERPROOFER** is adequately dispersed throughout the render / plaster mix, add to all the gauging liquid at a rate of 4.5 litres per 150 litres of water. This is approximately equivalent to about 320mls of **INTRAPRUF WATERPROOFER** per 25 kg of Portland cement. In general terms it is usually found that 500mls of **INTRAPRUF WATERPROOFER** when added to prepare a strong internal damp-proofing render of 1 part cement to 3 parts sand, will be sufficient to cover about 8 square metres at a depth typically of about 10mm.

NOTE: It is essential that water-proof renders are prepared using clean gauging liquid and washed dried, (salt-free - zone 3) sand, so that the full benefits of the products salt inhibiting properties can be demonstrated.

APPLICATION METHOD:

Always add **INTRAPRUF WATERPROOFER** to the mixer water before charging with sand and cement. NEVER add direct to the dry cement or sand. To account for the water reducing properties of **INTRAPRUF WATERPROOFER** always start the mix with a minimal required volume of water then top up to just about achieve the desired consistency, allowing complete and homogenous mixing to be achieved at all stages, but avoid over mixing the mortar for a prolonged period as this may weaken the ultimate strength of the mix due to excessive aeration.

HEALTH & SAFETY:

IRRITATING in contact with skin and eyes in much the same way as the mixed cement mortars will irritate skin. Always wear suitable protective clothing, including overalls, alkali resistant gloves or gauntlets; safety boots and safety goggles where splashes are a perceived risk. Any clothing contaminated with splashes of **INTRAPRUF WATERPROOFER** should be changed and laundered immediately to prevent any risk of prolonged skin contact.



IRRITANT

STORAGE & PACKAGING:

INTRAPRUF WATERPROOFER is supplied in 5 litre and 25 litre polythene containers and must be stored in sealed secure conditions away from sources of heat, or exposure to low temperatures and frost.

Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

EN ISO 9001



FM 01010



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