



TILERS PRIMER

ISSUE DATE: TP / 0705

**BONDING AGENT FOR
DIFFICULT SURFACES**

**WATER RESISTANT
SURFACE SEALER**

**PRIMER FOR
POROUS SUBSTRATES**

DESCRIPTION:

PALACE TILERS PRIMER is a styrene butadiene co-polymer emulsion for use as a primer; bonding agent and sealer formulated to improve, adhesion strength and long-term durability of the bond between the adhesive and any surface substrate. It is a safe to use and can be applied to a wide range of building materials including applications where contact with water is likely. PALACE TILERS PRIMER can be used as a water-proof bonding agent when mixed as a slurry with neat cement and can readily be incorporated into mixes of sand cement screeds, plasters and renders, giving a water reducing and plasticising effect, as well as improving wet-tack and adhesion of the render to the existing base masonry. PALACE TILERS PRIMER is an excellent primer for porous surfaces such as gypsum plaster, old / worn concrete; sand cement screeds and render by reducing porosity, surface dusting and improving initial tack so that subsequently applied adhesives, renders or screeds can achieve a secure and lasting key with the base substrate.

TILERS PRIMER AS A PRIMER:

Once porous, worn or dusty concrete floors have been thoroughly cleaned of all dust, oil & loose surface matter, PALACE TILERS PRIMER diluted as 1 part to 3 parts with water and brushed on as a generous single coat, can seal the surface, reduce suction and inhibit further dusting. One coat is normally sufficient for priming surfaces ready to receive an application of PALACE SELF-LEVELLING COMPOUND or any PALACE TILE ADHESIVE, however very porous surfaces may require two coats or use a 1:1 dilution to effectively reduce porosity and bind the surface. Cracked or friable surfaces should be repaired before laying any top coatings. PALACE TILERS PRIMER is effective on gypsum plaster, porous cement render walls, worn concrete, cement sand floor screeds, cement panel-boards and timbers such as chipboards and worn plywood. Plaster walls which have been over-finished to a polished appearance should be slightly roughened with a stiff brush and wiped clear of loose fines before priming.

TILERS PRIMER AS A SEALER:

Timber ply-boards and panels should be clean and free from dust and loose flaking material before being sealed on all exposed faces and edges with neat PALACE TILERS PRIMER, then the 1 to 3 parts water dilution brushed across the surface to be tiled. Adhesive may be applied to the primed surface whilst it is still slightly tacky to touch. Gypsum based materials likely to be tiled over with a cement based adhesive, such Anhydrite floor screeds or Gypsum finishing plasters and must be effectively sealed with 2 coats of neat PALACE TILERS PRIMER with each being allowed to dry before proceeding with the next application.

TILERS PRIME AS A BONDING AGENT:

PALACE TILERS PRIMER can be used as a bonding agent when over-laying existing masonry with a fresh coat of render, plaster, concrete or screed, or when applying cement based tile adhesives to difficult, non-porous surfaces such as existing vinyl floor tiles and steel decking. Wet down the exposed surface so that it is damp but not holding standing water. PALACE TILERS PRIMER can be mixed to a brushable slurry consistency using a mechanical agitator by adding approximately 1 part PRIMER to 1 part neat cement (or 1 part cement based adhesive) to be spread out using a stiff brush, evenly and consistently over the surface. Application of the topping screed or adhesive should proceed before the bonding slurry has completely dried out as surface tackiness will improve the adhesive key. PALACE TILERS PRIMER bonding slurry can also be used as a waterproof tanking slurry when applied as a three-coat treatment to prepared masonry.

TILERS PRIMER AS A CEMENT SCREED / MORTAR ADMIXTURE:

When repairing concrete floors, steps or applying vertical renders, PALACE TILERS PRIMER should be mixed at the minimum rate of 5 litres per 50 kg of Ordinary Portland Cement, or adding up to 15 litres where heavy traffic or loads are expected. Mix designs for repair mortars are ideally 1 part OPC to 3 parts zone 3 washed dried sand. When laying thick-section screeds (25 to 50mm) replace 1 part sand with 1 part 6mm dried coarse aggregate and always add just sufficient water to give the mix the required consistency for ease of application. PALACE TILERS PRIMER imparts a strong water-reducing and plasticising effect in concrete and mortar, thus giving improved strength, shrink resistance, long term durability, abrasion resistance and reduced water permeability.

COVERAGE:

The consumption of PALACE TILERS PRIMER for any particular application depends heavily upon the texture and porosity of the surface it is applied to and the figures shown below are intended as a rough guide only.

ADMIXTURE:	BONDING SLURRY:	PRIMER / SEALER:
5 to 15 litres per 50kg of OPC.	3 - 5 square metres per litre.	Up to 20 square metres per litre.

STORAGE & PACKAGING:

PALACE TILERS PRIMER is supplied either as a 5 litre or 1 litre bottle and has a storage life of not less than 12 months if stored in dry, un-opened conditions. Consult the PALACE TILERS PRIMER material safety data sheet for advice on handling and safety procedures.

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.

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SUBSTANCE IDENTIFICATION:

TILERS PRIMER

CEMENT ADMIXTURE, SEALER, PRIMER & BONDING AGENT

COMPOSITION;

An aqueous dispersion of a micro-particle sized Styrene Butadiene copolymer emulsion.

HAZARDS CLASSIFICATION:

NON-HAZARDOUS
Not subject to statutory hazard labelling in accordance with the CHIP regulations.

FIRST AID MEASURES:

INHALATION:

Avoid working in a spray mist. If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.

SKIN CONTACT:

Wash off skin with warm soapy water. The product will not cause immediate irritation, but prolonged and unattended contact with the concentrate should be avoided.

INGESTION:

Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.

EYE CONTACT:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

FIRE FIGHTING MEASURES:

NOT APPLICABLE - This product is a NON-FLAMMABLE water based dispersion

ACCIDENTAL RELEASE MEASURES:

Absorb spillages on sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for low-hazard aqueous emulsions. Provide plenty of ventilation if spillage occurs within a confined room or area.

HANDLING & STORAGE:

Store in sealed, clearly marked containers either as a concentrate or in its diluted form. Keep out of reach of children in a cool well-ventilated environment – Protect from frost, heat and direct sunlight. Keep in sealed plastic containers to prolong product life.

EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:

Wear overalls and rubber/PVC gloves. When mixing with cement based systems PVC overalls should be worn in association with side sealed goggles (BS 2092). Always read and follow the precautions shown on the label. Notify persons in the vicinity of any treatment as to when access will be restricted. All treated areas should be kept free from unprotected persons and animals whilst application is in progress and until surfaces are dry.

SAFETY DATA SHEET No. 04

PRODUCT: TILERS PRIMER

PHYSICO-CHEMICAL PROPERTIES:

Appearance – Milky white liquid.
Miscibility – Water only
Ph – 8.5 – 9.5
Density – 1.05
Odour – Distinctive ammonia type smell.
Viscosity - < 200cps.
Exposed product will readily dry to form a tacky film, which becomes clear.

STABILITY & REACTIVITY:

Storage in frost affected conditions or at elevated temperatures will affect the performance stability of the product, and lead to separation of the emulsion. However there are no known adverse/unsafe reactions should this product be inadvertently contaminated, although the product will be adversely affected by Strong acids.

TOXICOLOGICAL INFORMATION:

LD50 (oral rat) – 2000mg/kg for aqueous styrene based emulsions on rats.
May cause irritation of the upper digestive tract and mouth should ingestion occur.

ECOLOGICAL INFORMATION:

The product is only sparingly biodegradable and is toxic to aquatic organisms.
Ecotoxicity – Acute fish toxicity – LC50-48hrs fish > 1000mg/Kg.
Slowly Biodegradable in both fresh and salt water.

DISPOSAL CONSIDERATIONS:

Dispose according to Local Authority regulations for aqueous, low hazard emulsion based building chemicals.

TRANSPORT INFORMATION:

Not subject to CPL / ADR restrictions
When transporting overseas, classify as IMO Class 3.3 – Marine pollutant.

REGULATORY INFORMATION:

Irritating if swallowed. Wear suitable protective clothing. Do not dispose into ponds or watercourses
The use of this product at work will be subject to an assessment in accordance with the 1994 COSHH regulations.

FURTHER INFORMATION:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work.