



MULTI-PRIME



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- **Multi-Purpose primer, sealer & bonding agent.**
- **Reduces porosity & suction from a porous surface**
- **Forms a barrier for over-laying anhydrite screeds with a cement-based leveller**
- **Can be used to repair cracks, depressions & defects in damaged floors**
- **Improves flow time and reduces pin-holing in floor levelling treatments.**
- **Mixes with neat cement to give a reliable bond to highly impermeable surfaces.**

Description:

PALACE MULTI-PRIME is a styrene butadiene co-polymer emulsion for use as a primer and sealer to improve the receptiveness of a receiving substrate by either priming, stabilising or sealing prior to the application of a Palace Self-Levelling compound. **PALACE MULTI-PRIME** increases the adhesion and prolongs the flowable working time of a leveller, whilst also improving initial coverage and reducing the occurrence of pin-holes. It can be used on both porous and non-porous surfaces, internally and externally and will assist with optimising adhesion strength and the long-term durability of the bond to the surface substrate. **PALACE MULTI-PRIME** applied over a pre-existing Calcium Sulphate (Gypsum / Anhydrite) floor screed gives a barrier at the cement to gypsum bond interface which prevents any subsequent adverse reaction between the two chemically different compounds. **PALACE MULTI-PRIME** can be used as a water-proof bonding agent when mixed as a slurry with neat cement and can readily be incorporated into sand cement repair mortars, giving a water reducing & plasticising effect, improving compressive strength and adhesion of the mortar to the existing base masonry.

Application as a PRIMING COAT:

Once porous, worn or dusty concrete floors have been thoroughly cleaned of all dust, oil & loose surface matter, **PALACE MULTI-PRIME** diluted as 1 part to 3 parts with water and brushed on as a generous single coat, can reduce suction from a porous surface, and inhibit further dusting. One coat is normally sufficient for priming surfaces ready to receive an application of any **PALACE SELF-LEVELLING COMPOUND** or where direct fixing of a cement-based adhesive is preferred, however very porous surfaces may require two coats, or the use a 1:1 dilution to effectively reduce porosity and bind the surface. **PALACE MULTI-PRIME** is effective on porous cement screeds, worn concrete, cement-faced tile-backer, composite panel-boards and timbers such as worn plywood.

Application as a SEALER:

Anhydrite/calcium sulphate screeds must be prepared by mechanically sanding the surface to remove the laitance, open up the screed and to provide a good mechanical key. Sanding is normally done using an industrial sander fitted with abrasive hardened disks, typically with a 60's grit. Once the laitance has been removed, along with all loose dust, dirt other & contaminants ideally by vacuum, prime the surface of the screed with one coat of **PALACE MULTI-PRIME** diluted with 1-part water and allow up to 1 hour for the first coat to dry. Then apply a coat of neat **PALACE MULTI-PRIME** and allow a further 1 to 2 hours for the second coat to dry. **PALACE MULTI-PRIME** dries to give a clear water-resistant sheen film finish which can then be over-laid with any of the **PALACE SELF-LEVELLING COMPOUNDS**. Timber ply-boards and Tile backer panels should be clean and free from dust and loose flaking material before being sealed on all exposed faces and edges with neat **PALACE MULTI-PRIME** before the receiving face is coated with a 1-part to 1-part water dilution, brushed liberally across the surface to be levelled.

Application as a BONDING AGENT:

PALACE MULTI-PRIME can be used as a bonding agent when over-laying difficult, non-porous surfaces such as difficult to remove pre-existing vinyl floor tiles, bituminous adhesive residues and steel decking. Wet down the exposed surface so that it is damp but not holding standing water. **PALACE MULTI-PRIME** should be mechanically mixed using a drill whisk with either neat cement or a 1 to 1 sand / cement blend to give a brush applied, lump-free slurry consistency at a ratio of approximately 1-part **PALACE MULTI-PRIME** to 1-part neat cement (or 1-part cement / sand blend). The smooth liquid mix is then spread out using a stiff brush, evenly and consistently covering the whole receiving surface. Application of the levelling compound should proceed before the bonding slurry has completely dried out as surface tackiness will improve the adhesive key. **PALACE MULTI-PRIME** bonding slurry can also be used as a waterproof tanking slurry when applied as a three-coat treatment to a stable, well prepared masonry surface.

Application in a REPAIR MORTAR:

As part of the surface preparation regime it may be necessary to repair and in-fill surface cracks & depressions to ensure a reliable & stable substrate is in place before beginning to apply any smooth levelling finish. When repairing concrete floors, **PALACE MULTI-PRIME** 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 MULTI-PRIME** imparts a strong water-reducing and plasticising effect in a repair concrete or mortar, thus giving improved strength, shrink resistance, long term durability, abrasion resistance and reduced water permeability in the base substrate.

Coverage:

The consumption of **PALACE MULTI-PRIME** 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:

APPLICATION:	COVERAGE:
ADMIXTURE:	5 to 15 litres per 50kg of OPC.
BONDING SLURRY:	3 - 5 square metres per litre.
PRIMER:	Up to 20 square metres per litre.
SEALER:	8 - 10 square metres per litre.

Storage & Packaging:

PALACE MULTI-PRIME 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 MULTI-PRIME** 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.



Palace Chemicals Ltd.
Speke Hall Industrial Estate, Speke, Liverpool L24 1 YA
Tel: 0151 486 6101 Fax: 0151 448 1982
Email: sales@palacechemicals.co.uk

