



Prime IT

Multi-surface Primer



INFORMATION

Prime IT Multi-surface primer (MSP) is a moisture tolerant, water based acrylic primer, sealer and bonding aid, suitable for porous and non porous substrates.

Prime IT MSP can stabilise and consolidate the substrate surface and reduce the absorbency enabling subsequent materials to flow, cure and bond successfully. It is recommended for use between layers of smoothing underlayments when multi layer applications are being carried out to minimise pinholes and maximise interlayer adhesion.

Prime IT MSP can also be used as a curing agent for cementitious based products, diluted 1:1 with water.

SURFACE PREPARATION

All surfaces must be thoroughly dry and in a sound and stable condition free from contaminants that may hinder adhesion such as dust, oils, grease etc. All laitance and surface treatments must be removed. Smooth dense surfaces must be roughened by mechanical scabbling to enhance the key.

Subfloors should be tested in accordance with BS8203 to ensure a moisture reading of less than 75% RH should be achieved. Where this has not been attained or where there is uncertainty that the subfloor design incorporates a Base DPM then a suitable Ultra Floor Epoxy Surface DPM system must be applied. Consult Instarmac Technical Department for further advice.

PRIME IT POROUS APPLICATION

Prime IT MSP should be applied using a brush or roller and scrubbed well into the surface avoiding pooling. The number of coats required will be subject to the substrate and the following application. See the consumption rates section for general guidance and coverage rates. Drying rates will be directly linked to subfloor absorbency and ambient conditions including temperature and humidity. Always allow to dry to a clear film. Under good drying conditions Prime IT MSP applications will be ready to receive further materials after 1 to 2 hours.

SUBFLOOR PREPARATION

Tamped or pan floated concrete:

These should be treated as porous, and any laitance or weak material should be mechanically removed to ensure a sound, dry and dust-free surface. Apply Prime IT MSP diluted 3:1 with clean water.

Cementitious screeds and Industrial Floors

The absorbency of these floors/screeds can vary significantly, this is to be assessed by personnel on site. Apply a coat of primer diluted 5 parts water to 1 part primer. Allow to completely dry. Apply a second coat diluted 3 parts water to 1 part primer and allow to completely dry before applying further materials.

Note on very absorbent substrates a third coat may be required diluted 3 parts water to 1 part primer.

RECOMMENDED USES

Designed to promote the adhesion of Ultra Floor smoothing underlayments to porous and non porous substrates.

FEATURES

- Suitable for porous and non porous substrates
- Water based polymer emulsion
- Enhances adhesion
- Up to 250m² coverage per bottle
- Can be used as a curing agent



Moisture tolerance



Drying time
1-2 hours



Internal Floors



Member of



Existing smoothing underlayments

The array of possible smoothing underlayments will vary. Normally a single coat application is needed but check for absorbent as per cementitious screeds and treat as per cementitious screeds.

Plywood

Plywood must be of flooring grade and mechanically fixed to a sound strong base of 15mm thickness and greater. Plywood must be sealed on the underside and along all edges to ensure moisture absorption from beneath is kept minimal. For thinner flooring grade plywood subfloors contact Ultra Floor's technical department. Plywood absorbency differs depending on the nature of the surface veneer. Normally a diluted coat of Prime IT MSP (3 :1 with clean water) is recommended.

Cementitious backer boards

These are not usually highly absorbent so a single primer application is suitable. Apply a coat of primer diluted 5 parts water to 1 part primer. Allow to dry completely.

Calcium sulphate screed

Test subfloor in accordance with BS8203 to ensure a moisture reading of less than 75% RH (65% RH if solid wood flooring is to be installed). In the absence of any other heating any warm water underfloor heating may be used at cutback temperature to give an ambient room temperature of 15°C. Apply a coat of Prime IT MSP diluted 3 parts water to 1 part primer. Allow to dry OVERNIGHT. Apply a second coat of Prime IT MSP diluted 1 part water to 1 part primer and allow to dry typically 1 to 2 hours. The subfloor is then ready to receive cementitious flooring or tiling materials. For substrates not included above please contact the Instarmac Technical Department.

PRIME IT NON POROUS APPLICATION

Ultra Floor Prime IT MSP **should be applied neat as a single coat**, using a brush or roller. Apply to give a thin uniform coverage with no pooling of primer. Ensure a complete overall application is achieved. Once dry, the primer will exhibit a light tack and is ready to receive smoothing underlayments and tiling adhesives. Keep the area free from dust or contamination during the drying time and ensure further products are applied within 36 hours. Ambient conditions should be maintained above 10°C during this time. Drying rates will be directly linked to ambient conditions including temperature and humidity. Always allow to dry to clear film. Under good drying conditions Prime IT MSP applications will be ready to receive further materials after 1 to 2 hours.

SUBFLOOR PREPARATION

Ultra Floor recommend consultation with subfloor preparation equipment suppliers to ensure correct equipment for the substrates is selected. All substrates must be at a minimum temperature of 5°C before, during and after application of the primer to ensure film forming and bonding is achieved.

Epoxy surface damp proof membranes (DPM's)

Ultra Floor DPM's should be allowed to cure fully prior to priming. Do not leave the DPM for longer than 36 hours before priming.

Power floated and very dense concrete

Any surface hardener or additives must be mechanically removed by either shot blasting or other suitable mechanical abrasion. Make dust free. For all other dense concrete lightly abrade to achieve a textured surface.

Asphalt

Prime IT MSP is only recommended for use on flooring grade asphalt. DO not use on roofing grade or on tarmac substrates. Ensure existing asphalt is sound, stable and crack free. Cracks must be repaired prior to priming and overlaying. This can normally be achieved by infilling with an epoxy binding resin system or by reheating the asphalt to form a continuous floor. For new asphalt ensure it has fully cooled and is degreased to remove any oily bloom.

Existing terrazzo, ceramic and porcelain tiles

Any polishes, lacquers or treatments must be removed. It is recommended that these surfaces be lightly abraded using a suitable surface texture and grinding machine (STG) to give a slight texture. This will also identify any poorly fixed tiles which should then be removed.

Steel decks (including mezzanine floors)

Prime IT MSP is only suitable for use on internal steel floors that are rust proof. Floors must be mechanically secure with no deflection between adjacent panels of steel. Ensure any release agents or oils are removed. Mechanically prepare to provide a lightly keyed surface.

Existing PU and epoxy painted floors

Prepare the surface using an STG machine to give a texture surface. This will also help identify any weak or poorly bonded paint which must be removed.

Existing adhesive residues

Prime IT MSP should only be used on moisture tolerant adhesives. Best practice is always to remove as much adhesive as possible to leave only a thin firmly bonded film. Remove high spots of adhesive.

Plywood

For dense veneers of very low absorbency apply Prime IT MSP neat in a thin uniform coating.

For substrates not included above please consult the Instarmac Technical Department.

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PRIME IT MSP FOR USE AS A CURING AGENT

Dilute Prime IT MSP 1:1 with clean water and transfer into a good quality spray bottle. Spray 8-10 inches away from surface immediately upon completion of laying cement materials, to provide an even, continuous film. Do not apply by brush or roller, do not mix with other curing compounds.

CONSUMPTION RATES

Product consumption will depend on dilution rates of primer and also texture of subfloor. The rates below are based on a smooth subfloor at the given dilution.

POROUS	Per 5 litre bottle	Per litre of primer
1:1 dilution	70 to 100m ²	14 to 20m ²
3:1 dilution	140 to 200m ²	28 to 40m ²
5:1 dilution	170 to 250m ²	34 to 50m ²

When applied neat, in a thin uniform coating, the coverage rate will be directly linked to the texture and profile of the floor.

NON POROUS	Per 5 litre bottle	Per litre of primer
Neat	25-50m ²	5-10m ²

CURING AGENT	Per 5 litre bottle	Per litre of primer
1:1 dilution	30-40m ²	6-8m ²

CLEANING

Tools should be cleaned in water immediately after use to remove excess materials.

STORAGE

Extreme temperatures can damage this product. Store in a dry place and avoid temperatures below 5°C.

QUALITY ASSURANCE

All products are manufactured in a plant, the quality management system of which is certified/registered as conforming with BS EN ISO 9001, ISO 14001 and OHSAS 18001. Ultra Floor products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our claims. We cannot, however, accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how our products are used. All Ultra Floor products are sold subject to our Terms & Conditions of Sale which are available from ultra-floor.co.uk.

HEALTH & SAFETY

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash hands before consuming food and make sure that materials are kept out of the reach of children and animals. Please dispose of packaging and waste appropriately. A full MSDS for all our products is available from ultra-floor.co.uk.

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