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 multilayer 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 and allow to dry (time subject to site conditions, typically overnight). Apply a further application of Prime IT MSP diluted 1:1 with water. Allow to dry.

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 3 parts water to 1 part primer. Allow to completely dry. Apply a second coat, diluted 1

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 200m² coverage per bottle
• Can be used as a curing agent
Continued...

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 1 parts water to 1 part primer.

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.

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 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.
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.

<table>
<thead>
<tr>
<th>POROUS</th>
<th>Per 5 litre bottle</th>
<th>Per litre of primer</th>
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<tbody>
<tr>
<td>1:1 dilution</td>
<td>70 to 100m²</td>
<td>14 to 20m²</td>
</tr>
<tr>
<td>3:1 dilution</td>
<td>140 to 200m²</td>
<td>28 to 40m²</td>
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<table>
<thead>
<tr>
<th>NON POROUS</th>
<th>Per 5 litre bottle</th>
<th>Per litre of primer</th>
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<tbody>
<tr>
<td>Neat</td>
<td>25-50m²</td>
<td>5-10m²</td>
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<table>
<thead>
<tr>
<th>CURING AGENT</th>
<th>Per 5 litre bottle</th>
<th>Per litre of primer</th>
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<tbody>
<tr>
<td>1:1 dilution</td>
<td>30-40m²</td>
<td>6-8m²</td>
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CLEANING

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

STORAGE

Store in a closed original container at temperatures between 5°C and 30°C and out of direct sunlight and frost. Shelf life is 12 months from manufacture in these conditions.

HEALTH, SAFETY AND ENVIRONMENTAL

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash your hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full material datasheet relating to this product is available from instarmac.co.uk

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001, 14001, and OHSAS 18001. Our products are guaranteed against defective materials and manufacture, and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept any liability 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 products are sold subject to our conditions of sale, copies of which may be obtained on request.