



Recommended Procedure for the Preparation of Timber Floors

Levelling Powders

Problems:

Common problem with wooden flooring is renovation. Wooden floors can move by expansion caused by temperature and humidity changes in joists/bearers and stumps moving under the renovation process and ground moisture changing.

Solutions:

Roberts Super Level 30 and expanded metal system is an easy method of reinstating a new sub floor system being cementitious underlayment to achieve a flat smooth surface for a floor covering to be applied.

Step 1: Preparation

The wooden floor is to be mechanically cleaned free of all dirt, oil, grease and any other contaminants that may inhibit bond in accordance with Australian Standards and Roberts preparation clause. All timber to be renailed/screwed to eliminate any excessive movement that may have occurred. All joints to be filled with a suitable fast setting compound.

Step 2: Priming

Wooden floors are to be primed using Roberts Super Primer 34 applied to previous prepared areas by short nap roller or squeegee to achieve a transparent thin film. Super Primer 34 is a two part mixture, thoroughly mix Part 'A' and Part 'B' separately, then thoroughly mix Part A & B together to produce a uniformed pink blended colour. Apply mixed primer to required area allowing primer to dry for a minimum of 2 hours and a maximum of 24 hours.

Step 3: Expanded Metal

After 1 hour of priming, staple expanded metal (12 mm tiler's lath) to primed wooden floor by using flooring staples minimum of 25 mm in length, making sure the mesh is flat and tightly formed. Expanded metal is a galvanised elongated diamond metal mesh in sheet form of 900mm x 2400mm. Gloves should be worn when handling this product.

Step 4: Application

Roberts Super Level 30 should be applied to the floor area at a minimum thickness of 6-8mm to achieve a smooth flat finish. Super Level 30 should be mixed with the inclusion of Roberts additive 45 at the following mix ratio.

4.5 litres of water and 1 litre of Roberts Additive 45 (equates to 5.5 litres of mixing liquid) per 20 kg bag.

Step 5: Drying/Curing

Roberts Super Level 30 is to be allowed to dry/cure for a minimum of 16-18 hours @ 20°C prior to the laying of a floor covering. This is a fully guaranteed system. However the use of Roberts Flexiscreed 38 for localised patching over wooden subfloors may also be used. Contact your local Roberts representative for more information.

Step 6: Precautions

Wooden subfloor to be tested for flexibility and all floor boards are required to be refastened by renailling or rescrewed.

Always install test area to determine the suitability of the product for this intended application.

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We guarantee the high quality of our products. However, because we have no control over site application/conditions we will not accept liability of loss or damage which may arise as a result thereof.





Recommended Procedure for the Preparation of Primary Steel/Rigid Aluminum Decking

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Due to the nature of metal decking on ocean going vessels, off shore oil platforms and other types of structures requiring a high quality floorcovering, ie. (Wood parquet, vinyl tile, sheet vinyl) to be applied over the metal decking will require a high quality, hard and durable underlayment to ensure a successful installation.

Step 1: Preparation

All metal surfaces are to be mechanically cleaned by means of sanding or grinding to achieve a good clean surface free of dust, dirt, grease and especially rust fragments.

To be prepared in accordance with the relevant Australian standards and Roberts written recommendations.

Do not liquid clean.

- It is imperative that all metal sheeting is structurally sound, solid and fully bonded, ie (welded to its framing).
- All rust fragment areas should be fully removed and replaced with new material. This should then be re-cleaned, by mechanical means only.

Step 2: Priming

The nature of this type of flooring and decking are non porous and will require an etch primer before any other process. The etch primer is to be a proprietary brand and suitable for the type of steel or aluminium surfaces it will be applied over. This should be applied as directed by the product manufacturer's instructions. The product must be allowed to completely dry as per instructions.

Apply Roberts Super Primer 34 to previous etched primed areas by short nap roller or squeegee to achieve a transparent think film. Super Primer 34 is a two part mixture, thoroughly mix Part 'A' and Part 'B' separately, then thoroughly mix Part A & B together to produce a uniformed pink blended colour. Apply mixed primer to the required area allowing the primer to dry for a minimum of 2 hours and a maximum of 24 hours.

Step 3: Application

Roberts Super Level 30 should be applied to the floor area at a minimum thickness of 3mm to achieve a smooth flat finish. Super Level 30 should be mixed with the inclusion of Roberts additive 45 at the following mix ratio.

4.0 litres of water and 1.5 litres of Roberts Additive 45 (equates to 5.5 litres of mixing liquid) per 20 kg bag.

Step 4: Drying/Curing

Roberts Super Level 30 should to be allowed to dry/cure for a minimum of 24 hours @ 20°C prior to the application of any floor covering.

Step 5: Precautions

Rust is a major issue and **MUST** be removed completely. Also with conventional underlayment (latex, gypsum and plywood are either structurally unsound, water soluble and are unable to absorb the deflection, flexing and movement of rigid steel/aluminium/decking and provide a soft and inadequate underlayment for a floorcovering. Etch primer **MUST BE** completely dry.

Always install a site test area to determine the suitability of the product for this intended purpose.

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Recommended Procedure for the Preparation of Heated Sub Floor

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**All Heating:
Whether electrical or hydro
heating must be turned off and
room temperatures allowed
to acclimatize to ambient
temperature of 18°C maximum.**

Step 1: Preparation

To be prepared in accordance with the Australian Standards and Roberts relevant written recommendations.

The sub floor must be free of oil, grease, wax, curing compounds, dust, old adhesive and any other contaminations, which may inhibit bond.

Diamond grinding, shot blasting or scarifying is the preferred method of preparation to remove any contamination. (Acid should not be used).

Step 2: Priming

Prime porous substrates with Roberts Primer 41 as per manufacturers recommendations.

Standard mixing ratio:

1 part volume Roberts Primer 41
2 parts volume water

Apply an even thin film using a soft broom or short nap roller ensuring not to leave any ponding.

Allow primer to dry clear.

Step 3: Application

Roberts Super Level 30 should be applied to the floor area at a minimum thickness of 3-4mm to achieve a smooth flat finish. Super Level 30 should be mixed with the inclusion of Roberts additive 45 at the following mix ratio.

4.5 litres of water and 1 litres of Roberts Additive 45 (equates to 5.5 litres of mixing liquid) per 20 kg bag.

Step 4: Drying/Curing

Roberts Super Level 30 is to be allowed to dry/cure for a minimum of 48 hours before subfloor heating is turned on or until floor covering has been applied.

Step 5: Precautions

Subfloor heating to be increased to achieve operating temperature in 5°C increments in daily intervals only.

Always install a site test area to determine the suitability of the product for this intended purpose.

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Recommended Procedure for the Preparation of Direct Adhered Timber Flooring Levelling Powders

Due to the different variations of introduced types of direct stuck timber, this procedure is only for this type of application. All natural timber such as parquetry type flooring must be completely kiln dried and allowed to acclimatize in the area prior to application.

Step 1: Preparation

To be prepared in accordance with the Australian Standards and Roberts relevant written recommendation.

The sub floor must be free of oil, grease, wax, curing compounds, dust, old adhesive and any other contaminates, which may inhibit bond.

Diamond grinding, shot blasting or scarifying is the preferred method of preparation to remove any contamination.

The floor must be thoroughly vacuumed.

Step 2: Priming

For porous substrates use Roberts Primer 41 diluted 2 parts water to 1 part Roberts Primer 41. Apply with soft broom working product into concrete surface mopping up any puddles (ponding) with a cloth. Allow to dry to a clear film approx. 1-2 hours.

Non porous surfaces, ie RLA 20 Moisture Barrier. This requires Roberts Super Prime 34 applied by short nap roller or squeegee to achieve a transparent thin film over floor area. This primer is a two part mixture. Thoroughly mix Part 'A' and Part 'B' separately first then thoroughly mix together to produce a uniformed pink blended colour allowing primer to dry for a minimum of 2 hours and a maximum of 24 hours.

Step 3: Application

Roberts Super Level 30 is applied to the floor area at a minimum thickness of 3-4mm to achieve a smooth flat strong surface for the acceptance of adhesive, ie RL1017 One pack moisture cure polyurethane adhesive.

Super Level 30 should be mixed with the inclusion of Roberts additive 45 at the following mix ratio.

4.0 litres of water and 1.5 litres of Roberts Additive 45 (equates to 5.5 litres of mixing liquid) per 20 kg bag.

Step 4: Drying/Curing

Roberts Super Level 30 should be allowed to dry/cure for a minimum of 24 hours @ 20°C prior to the laying of any timber type flooring.

Step 5: Precautions

In this application for timber flooring, the substrate must be thoroughly cleaned & vacuumed. A moisture test of the substrate must be carried out in accordance with the relevant Australian standards. Timber flooring may absorb moisture from a damp substrate cause it to swell and actually shear itself off the floor surface

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Recommended Procedure for the Preparation of Ceramic Tiles/Slate/Terrazzo Floors

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Today's fast track life style demands floor preparation is completed more quickly. This over lay levelling system for ceramic/slate/terrazzo flooring is unique, however the success of this system relies on the bond strength of the existing floor covering.

Step 1: Preparation

This system relies on sub flooring being perfectly clean, free of all dirt, oil, grease, and sealer or wax. To achieve this use a commercial grade detergent (degreaser). This chemical is required to hold all dirt, grease, wax, etc in suspension until removal.

- Removal of all drummy tiles also tiles that are not firmly bonded.
- Removal of all grease, dirt, polishes and wax contaminants by means of degreasing/detergent wash. **Acid not to be used.** Washing/flush away all residues with copious amounts of clean water. Allow to dry thoroughly.
- Mechanically sand/grind floor area using 24 - 40 grit carborundum paper or fine grade diamond tips.
- Vacuum area thoroughly to remove all contamination which will inhibit bond.

Step 2: Priming

Ceramic/slate/terrazzo floors are impervious (non porous). This requires Roberts Super Primer 34 applied by short nap roller or squeegee to achieve a transparent thin film over floor area. This primer is a 2 part mix: thoroughly mix Part 'A' and Part 'B' separately first then thoroughly mix Part A & B together to produce a uniformed pink blended colour. Allow primer to dry for a minimum 2 hours and a maximum of 24 hours.

Step 3: Application

Roberts Super Level 30 should be applied to the floor area at a minimum thickness

of 4mm. Super Level 30 should be mixed with the inclusion of Roberts Additive 45 at the following mix ratio.

4.5 litres of water and 1 litres of Roberts Additive 45 (equates to 5.5 litres of mixing liquid) per 20 kg bag.

Step 4: Drying/Curing

Roberts Super Level 30 is to be allowed to dry/cure for a minimum of 16-18 hours @ 20°C prior to the laying of any floor covering.

Step 5: Precautions

The bond strength of the existing floor to be tested ie. Drummy, cracking, peaking corners or loose areas is evident remove these sections. Always seek professional advice to obtain a suitable commercial grade detergent/degreaser. **Acid not to be used.**

Always install a site test area to determine the suitability of this product for this intended purpose.

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