

# E-Mail

# Thomsit

<b>To:</b>	<b>Mr Jones</b>	<b>From:</b>	<b>Ian Guest</b>
<b>Company:</b>	<b>Mr Smith Flooring</b>		
<b>CC:</b>	<b>File</b>		
<b>Fax:</b>	<b>BY E-mail</b>	<b>Fax:</b>	<b>+44 (0)1234 326622</b>
<b>Tel:</b>	<b>N/A</b>	<b>Tel:</b>	<b>+44 (0)1234 355811</b>
<b>Date:</b>	<b>27 May 2015</b>	<b>Mobile:</b>	<b>+44 (0)7769 642479</b>
<b>Pages</b>	<b>12</b>	<b>E-Mail:</b>	<b>ian.guest@thomsit.co.uk</b>

## Project Name: Project 1

We thank you for your recent enquiry and have pleasure in attaching the following Thomsit recommendations in respect of the above project.

We attach a Project Information Summary and a Schedule of Recommendations for Installation for your consideration. These detail our recommendations for the work and include, for guidance, product recommendations, product application methods, thickness, consumption/coverage, etc. where applicable.

Your attention is also drawn to any Specific Project Information (where applicable) and the list of General Requirements & Conditions applicable to Recommendations for Installation, which detail certain essential criteria and specific conditions on which our recommendations are based.

Should you have any query in respect of the attached information, please do not hesitate to contact the writer at any time.

We look forward to receiving your further instructions regarding this matter and thank you in anticipation.

Best regards

For and on behalf of Thomsit Flooring Systems



---

**Ian Guest**  
**Technical Director**

Prepared For: Mr Smith Flooring

Project Name: Project 1

Date: 27 May 2015

## Thomsit Schedule of Recommendations for Installation

### **BASEMENT**

The following recommendation is based on all previous materials having being fully removed back to the terrazzo base.

#### **Preparation – Vacuum Enclosed Shot-Blasting**

Mechanically prepare the surface by vacuum enclosed shot-blasting. The resultant surface finish should resemble medium sandpaper. Ensure that all attachments, such as laitence, paint, oil, grease, old adhesives, smoothing compounds and general surface contamination, etc. are removed. If necessary, abrade close to walls, edges and fixtures using hand-held equipment. Thoroughly vacuum off all dust and debris produced.

#### **Preparation – Ensure the Substrate is Clean**

The surface must be clean and free of dust, debris, grease, plaster or any other contamination that will impair the bond of the system. Where necessary use mechanical preparation equipment and vacuum clean.

#### **Thomsit R 755 Two-Coat Surface-Applied Membrane with Fine Aggregate Blinding**

The surface must be well prepared, clean and surface dry. Mix the Thomsit R 755 Epoxy Membrane, parts A & B, thoroughly with a drill and paddle. Decant into roller trays or buckets - do not leave the product at mass in the container, as this will considerably accelerate setting. Apply against walls, edges and around fixtures with a brush and to main areas with a medium pile roller. Avoid pooling. Allow the first coat to reach initial cure before applying the second coat. Apply the second coat a right angles to the first. Allow the second coat to cure before proceeding.

During second coat application, broadcast Thomsit Fine Aggregate (0.3 - 0.8 mm.) evenly into the wet resin ensuring that a dry excess of sand is formed above the resin surface (approx. consumption of Fine Aggregate is 2 - 3 kg/m<sup>2</sup>). Regularly check areas that have been sand coated and ensure that there are no patches where the sand appears to have sunk or looks wet - add further sand if necessary. Allow the second coat of resin to cure and then brush and/or vacuum off all dry, loose sand - the resultant finish should resemble medium-to-coarse sandpaper.

#### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Curing Time</b>
<b>Thomsit R 755 coat 1</b>	Medium Pile Roller	200 - 350 g/m <sup>2</sup> (2.85 - 5 m <sup>2</sup> per kg)	12 - 18 hours
<b>Thomsit R 755 coat 2</b>	Medium Pile Roller	150 - 200 g/m <sup>2</sup> (4 - 6.6 m <sup>2</sup> per kg)	12 - 24 hours
Thomsit Fine Agg.	By Hand	2 – 3 kg per m <sup>2</sup>	As coat 2 above

## Thomsit DS 40 Thin Screed – 3 to 40 mm

Mix a 25 kg bag of Thomsit DE 40 with 5 litres of clean water (ratio to be maintained for part quantities). Mix in a clean container using a drill with mixing paddle attachment. Blend to a smooth and lump free consistency. Using a smoothing trowel, apply to the prepared surface to the required thickness. Allow to fully dry before proceeding.

### CONSUMPTION/ COVERAGE GUIDE

<i>Product</i>	<i>Application Method</i>	<i>Consumption / Coverage Guide</i>	<i>Drying Time</i>
<b>Thomsit DE 95</b>	Smoothing trowel	1.5 kg / m <sup>2</sup> / mm (17 m <sup>2</sup> per bag at 1 mm.)	24 hours at 10 mm

### Application by Proprietary Continuous Feed Mixer Pump

The Thomsit levelling compound can be pump applied with a proprietary, continuous feed mixer pump. These are available for hire from Specialist Hire Companies as “Man-and-Machine” or alternatively, installed by a Specialist Contractor. It is recommended that the Thomsit levelling compound be checked regularly for correct water to cement ratio. Flow ring testing should be carried out; rings and flow chart are available upon request. Before installation, to restrict the flow of the product at doorways, bay joints or over expansion joints, etc. Use self-adhesive foam strip or lay damp sand along a straight edge, to the required height and in the required position. The sand will retain the flow. Remove the sand once the material has sufficiently set or when fully dry. For further advice on pump application contact Thomsit Technical services.

## Ground Floor

The following recommendation is based on all previous materials having being fully removed back to the terrazzo base.

### **Preparation – Vacuum Enclosed Shot-Blasting**

Mechanically prepare the surface by vacuum enclosed shot-blasting. The resultant surface finish should resemble medium sandpaper. Ensure that all attachments, such as laitence, paint, oil, grease, old adhesives, smoothing compounds and general surface contamination, etc. are removed. If necessary, abrade close to walls, edges and fixtures using hand-held equipment. Thoroughly vacuum off all dust and debris produced.

### **Preparation – Ensure the Substrate is Clean**

The surface must be clean and free of dust, debris, grease, plaster or any other contamination that will impair the bond of the system. Where necessary use mechanical preparation equipment and vacuum clean.

### **Thomsit TF 300 Thomsit Floor Reinforcement Webbing (around old escalator pit)**

Ensure the substrate has been adequately prepared and where necessary primed with the appropriate Thomsit primer. Thomsit TF 300 Reinforcement Webbing has been designed to be incorporated within a specific flooring system, e.g. sandwiched between Thomsit R 755 Epoxy Membrane or Thomsit Smoothing and Levelling Compounds. Install Thomsit TF 300 Reinforcement Webbing with a 30 mm (3 cm) overlap at the joints. If installing over timber substrates, staple the Thomsit TF 300 at 500 mm centres. If installing over solid substrates, adhere with Thomsit Mega Grab at 500 mm centres. If installing in combination with Thomsit R 755 Epoxy Membrane install the TF 300 into the first coat, whilst still wet. Apply the second coat when the first coat has reached initial cure.

### **Thomsit R 755 One-Coat Bonding System with Fine Aggregate Blinding – for Very Heavy Duty Use**

The surface must be well prepared, clean and surface dry. Mix the Thomsit R 755 Epoxy, parts A & B, thoroughly with a drill and paddle. Decant into roller trays or buckets - do not leave the product at mass in the container, as this will considerably accelerate setting. Apply against walls, edges and around fixtures with a brush and to main areas with a medium pile roller. Avoid pooling.

During the application of the Thomsit R 755, broadcast Thomsit Fine Aggregate (0.3 - 0.8 mm.) evenly into the wet resin ensuring that a dry excess of aggregate is formed above the resin surface (approx. consumption of Fine Aggregate is 2 - 3 kg/m<sup>2</sup>). Regularly check areas that have been fully coated and ensure that there are no patches where the aggregate appears to have sunk or looks wet - add further aggregate if necessary. Allow the Thomsit R 755 to cure and then brush and/or vacuum off all dry, loose aggregate - the resultant finish should resemble medium-to-coarse sandpaper.

### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Curing Time</b>
<b>Thomsit R 755</b>	Medium Pile Roller	200 - 250 g/m <sup>2</sup> (4 - 5 m <sup>2</sup> per kg)	12 - 24 hours
Thomsit Fine Aggregate	By Hand	2 – 3 kg per m <sup>2</sup>	As above

**Thomsit FA 97 Fibre Reinforced - EMICODE EC1 Very Low Emission Levelling Compound  
3 to 15 mm – for Timber / Deflective Substrates**

Ensure that all gaps between boards, under skirtings, etc. are pre-filled with acrylic mastic sealant (wider gaps and holes can be filled with Thomsit RS 88 Rapid Repair Mortar). If installing at a nominal thickness of 10 mm. or more, a 5 mm. thick foam expansion strip should be fixed to walls and solid fixtures. If installing with Thomsit TF 300 Reinforcement Webbing, ensure that the Thomsit TF 300 is installed as recommended. Mix a 25 kg bag of Thomsit FA 97 with 6.0 litres of clean water (ratio to be maintained for part quantities). Mix in a clean container using a drill with mixing paddle attachment. Blend to a smooth and lump free consistency. Using a smoothing trowel, apply to the prepared surface to the required thickness (minimum thickness 3 mm.). Allow to dry before proceeding.

**CONSUMPTION/ COVERAGE GUIDE**

<i>Product</i>	<i>Application Method</i>	<i>Consumption / Coverage Guide</i>	<i>Drying Time</i>
<b>Thomsit FA 97</b>	Smoothing trowel	1.5 kg / m <sup>2</sup> / mm (17 m <sup>2</sup> per bag at 1 mm.)	18 – 24 hours

**Application by Proprietary Continuous Feed Mixer Pump**

The Thomsit levelling compound can be pump applied with a proprietary, continuous feed mixer pump. These are available for hire from Specialist Hire Companies as “Man-and-Machine” or alternatively, installed by a Specialist Contractor. It is recommended that the Thomsit levelling compound be checked regularly for correct water to cement ratio. Flow ring testing should be carried out; rings and flow chart are available upon request. Before installation, to restrict the flow of the product at doorways, bay joints or over expansion joints, etc. Use self-adhesive foam strip or lay damp sand along a straight edge, to the required height and in the required position. The sand will retain the flow. Remove the sand once the material has sufficiently set or when fully dry. For further advice on pump application contact Thomsit Technical services.

## First Floor

Extensive damage to screeds from removal contractor the following is to remediate the floor to allow new compounds to be applied

### **Preparation – Ensure the Substrate is Clean**

The surface must be clean and free of dust, debris, grease, plaster or any other contamination that will impair the bond of the system. Where necessary use mechanical preparation equipment and vacuum clean.

### **Preparation - Surface Strengthening (where required)**

Mix Thomsit R 755 (please see Project Information Sheet above), parts A & B, together thoroughly with a drill and paddle. Once mixed immediately apply the product onto the surface and distribute with a trowel or squeegee - do not spread too thinly and ensure that the wet resin is allowed to penetrate. During application, re-coat floor sections, which absorb the resin quickly and/or produce air bubbles in the wet material. If necessary, greater penetration can be ensured by drilling into the substrate to approx. 50-75% depth in a grid formation at close centres, prior to the application. Leave to cure before proceeding. **N.B.** No guidance can be given on product consumption; this can only be determined by trial application.

### **Thomsit R 755 One-Coat Bonding System with Fine Aggregate Blinding – for Very Heavy Duty Use**

The surface must be well prepared, clean and surface dry. Mix the Thomsit R 755 Epoxy, parts A & B, thoroughly with a drill and paddle. Decant into roller trays or buckets - do not leave the product at mass in the container, as this will considerably accelerate setting. Apply against walls, edges and around fixtures with a brush and to main areas with a medium pile roller. Avoid pooling.

During the application of the Thomsit R 755, broadcast Thomsit Fine Aggregate (0.3 - 0.8 mm.) evenly into the wet resin ensuring that a dry excess of aggregate is formed above the resin surface (approx. consumption of Fine Aggregate is 2 - 3 kg/m<sup>2</sup>). Regularly check areas that have been fully coated and ensure that there are no patches where the aggregate appears to have sunk or looks wet - add further aggregate if necessary. Allow the Thomsit R 755 to cure and then brush and/or vacuum off all dry, loose aggregate - the resultant finish should resemble medium-to-coarse sandpaper.

#### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Curing Time</b>
<b>Thomsit R 755</b>	Medium Pile Roller	200 - 250 g/m <sup>2</sup> (4 - 5 m <sup>2</sup> per kg)	12 - 24 hours
Thomsit Fine Aggregate	By Hand	2 – 3 kg per m <sup>2</sup>	As above

### **Thomsit SL 85 Special Purpose Levelling Compound – 0.5 to 50 mm**

Mix a 25 kg bag of Thomsit SL 85 with 6.0 litres of clean water (ratio to be maintained for part quantities). Mix in a clean container using a drill with mixing paddle attachment. Blend to a smooth and lump free consistency. For thicknesses above 10 mm add 30% (7.5 kg) of Thomsit Coarse Aggregate (<4 mm) and mix again. Do **not** add more mixing water. Using a smoothing trowel, apply to the prepared surface to the required thickness. Allow to fully dry before proceeding.

#### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Drying Time</b>
<b>Thomsit SL 85</b>	Smoothing trowel	1.5 kg / m <sup>2</sup> / mm (17 m <sup>2</sup> per bag at 1 mm.)	24 hours

### **Application by Proprietary Continuous Feed Mixer Pump**

The Thomsit levelling compound can be pump applied with a proprietary, continuous feed mixer pump. These are available for hire from Specialist Hire Companies as “Man-and-Machine” or alternatively, installed by a Specialist Contractor. It is recommended that the Thomsit levelling compound be checked regularly for correct water to cement ratio. Flow ring testing should be carried out; rings and flow chart are available upon request. Before installation, to restrict the flow of the product at doorways, bay joints or over expansion joints, etc. Use self-adhesive foam strip or lay damp sand along a straight edge, to the required height and in the required position. The sand will retain the flow. Remove the sand once the material has sufficiently set or when fully dry. For further advice on pump application contact Thomsit Technical services.

## **Second Floor**

**Extensive damage to screeds from removal contractor the following is to remediate the floor to allow new compounds to be applied**

### **Preparation – Ensure the Substrate is Clean**

The surface must be clean and free of dust, debris, grease, plaster or any other contamination that will impair the bond of the system. Where necessary use mechanical preparation equipment and vacuum clean.

### **Preparation - Surface Strengthening (where required)**

Mix Thomsit R 755 (please see Project Information Sheet above), parts A & B, together thoroughly with a drill and paddle. Once mixed immediately apply the product onto the surface and distribute with a trowel or squeegee - do not spread too thinly and ensure that the wet resin is allowed to penetrate. During application, re-coat floor sections, which absorb the resin quickly and/or produce air bubbles in the wet material. If necessary, greater penetration can be ensured by drilling into the substrate to approx. 50-75% depth in a grid formation at close centres, prior to the application. Leave to cure before proceeding. **N.B.** No guidance can be given on product consumption; this can only be determined by trial application.

### **Preparation - Crack Repairs & Stitch Bonding (where required) (where required)**

Clean out and open the crack by routing with an angle-grinder or similar and vacuum out. Ensure that the crack is thoroughly clean and surface dry. Mix Thomsit R 755 Flow Epoxy, parts A & B, together thoroughly with a drill and paddle. Decant immediately into a pouring vessel - do not leave at mass in the container, as this will considerably accelerate setting. Pour the resin into the prepared crack and trowel off any excess at the surface. If the product drains away into the crack, add in Thomsit Fine Aggregate to restrict the flow. For stitch bonding, make suitable cuts across the crack-line at 300 mm centres and insert a 100 mm non-ferrous screw - pour in resin to fill the crack and cover the screws. Leave to cure before proceeding. **N.B.** No guidance can be given on product consumption; this can only be determined by trial application.

### **Thomsit TF 300 Thomsit Floor Reinforcement Webbing (where required)**

Ensure the substrate has been adequately prepared and where necessary primed with the appropriate Thomsit primer. Thomsit TF 300 Reinforcement Webbing has been designed to be incorporated within a specific flooring system, e.g. sandwiched between Thomsit R 755 Epoxy Membrane or Thomsit Smoothing and Levelling Compounds. Install Thomsit TF 300 Reinforcement Webbing with a 30 mm (3 cm) overlap at the joints. If installing over timber substrates, staple the Thomsit TF 300 at 500 mm centres. If installing over solid substrates, adhere with Thomsit Mega Grab at 500 mm centres. If installing in combination with Thomsit R 755 Epoxy Membrane install the TF 300 into the first coat, whilst still wet. Apply the second coat when the first coat has reached initial cure.

### **Thomsit R 755 One-Coat Bonding System with Fine Aggregate Blinding – for Very Heavy Duty Use**

The surface must be well prepared, clean and surface dry. Mix the Thomsit R 755 Epoxy, parts A & B, thoroughly with a drill and paddle. Decant into roller trays or buckets - do not leave the product at mass in the container, as this will considerably accelerate setting. Apply against walls, edges and around fixtures with a brush and to main areas with a medium pile roller. Avoid pooling.

During the application of the Thomsit R 755, broadcast Thomsit Fine Aggregate (0.3 - 0.8 mm.) evenly into the wet resin ensuring that a dry excess of aggregate is formed above the resin surface (approx. consumption of Fine Aggregate is 2 - 3 kg/m<sup>2</sup>). Regularly check areas that have been fully coated and ensure that there are no patches where the aggregate appears to have sunk or looks wet - add further aggregate if necessary. Allow the Thomsit R 755 to cure and then brush and/or vacuum off all dry, loose aggregate - the resultant finish should resemble medium-to-coarse sandpaper.

### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Curing Time</b>
<b>Thomsit R 755</b>	Medium Pile Roller	200 - 250 g/m <sup>2</sup> (4 - 5 m <sup>2</sup> per kg)	12 - 24 hours
Thomsit Fine Aggregate	By Hand	2 – 3 kg per m <sup>2</sup>	As above

## Thomsit XXL Xpress Rapid Drying - EMICODE EC1 Very Low Emission Levelling Compound – 0.5 to 20 mm

Mix a 25 kg bag of Thomsit XXL Xpress with 5.5 - 6.0 litres of clean water (ratio to be maintained for part quantities). Mix in a clean container using a drill with mixing paddle attachment. Blend to a smooth and lump free consistency. Using a smoothing trowel, apply to the prepared surface to the required thickness. Allow to fully dry before proceeding.

### CONSUMPTION/ COVERAGE GUIDE

<i>Product</i>	<i>Application Method</i>	<i>Consumption / Coverage Guide</i>	<i>Drying Time</i>
<b>Thomsit XXL Xpress</b>	Smoothing trowel	1.5 kg / m <sup>2</sup> / mm (17 m <sup>2</sup> per bag at 1 mm.)	60 - 90 Minutes



Apply with a  
Smoothing Trowel



Pump Application

### Application by Proprietary Continuous Feed Mixer Pump

The Thomsit levelling compound can be pump applied with a proprietary, continuous feed mixer pump. These are available for hire from Specialist Hire Companies as “Man-and-Machine” or alternatively, installed by a Specialist Contractor. It is recommended that the Thomsit levelling compound be checked regularly for correct water to cement ratio. Flow ring testing should be carried out; rings and flow chart are available upon request. Before installation, to restrict the flow of the product at doorways, bay joints or over expansion joints, etc. Use self-adhesive foam strip or lay damp sand along a straight edge, to the required height and in the required position. The sand will retain the flow. Remove the sand once the material has sufficiently set or when fully dry. For further advice on pump application contact Thomsit Technical services.



## **Third & Fourth Floors**

### **Preparation – Vacuum Enclosed Shot-Blasting**

Mechanically prepare the surface by vacuum enclosed shot-blasting. The resultant surface finish should resemble medium sandpaper. Ensure that all attachments, such as laitence, paint, oil, grease, old adhesives, smoothing compounds and general surface contamination, etc. are removed. If necessary, abrade close to walls, edges and fixtures using hand-held equipment. Thoroughly vacuum off all dust and debris produced.

### **Preparation – Ensure the Substrate is Clean**

The surface must be clean and free of dust, debris, grease, plaster or any other contamination that will impair the bond of the system. Where necessary use mechanical preparation equipment and vacuum clean.

### **Preparation - Crack Repairs & Stitch Bonding**

Clean out and open the crack by routing with an angle-grinder or similar and vacuum out. Ensure that the crack is thoroughly clean and surface dry. Mix Thomsit R 755 Flow Epoxy, parts A & B, together thoroughly with a drill and paddle. Decant immediately into a pouring vessel - do not leave at mass in the container, as this will considerably accelerate setting. Pour the resin into the prepared crack and trowel off any excess at the surface. If the product drains away into the crack, add in Thomsit Fine Aggregate to restrict the flow. For stitch bonding, make suitable cuts across the crack-line at 300 mm centres and insert a 100 mm non-ferrous screw - pour in resin to fill the crack and cover the screws. Leave to cure before proceeding. N.B. No guidance can be given on product consumption; this can only be determined by trial application.

### **Thomsit TF 300 Thomsit Floor Reinforcement Webbing**

Ensure the substrate has been adequately prepared and where necessary primed with the appropriate Thomsit primer. Thomsit TF 300 Reinforcement Webbing has been designed to be incorporated within a specific flooring system, e.g. sandwiched between Thomsit R 755 Epoxy Membrane or Thomsit Smoothing and Levelling Compounds. Install Thomsit TF 300 Reinforcement Webbing with a 30 mm (3 cm) overlap at the joints. If installing over timber substrates, staple the Thomsit TF 300 at 500 mm centres. If installing over solid substrates, adhere with Thomsit Mega Grab at 500 mm centres. If installing in combination with Thomsit R 755 Epoxy Membrane install the TF 300 into the first coat, whilst still wet. Apply the second coat when the first coat has reached initial cure.

### **Thomsit R 755 One-Coat Bonding System with Fine Aggregate Blinding – for Very Heavy Duty Use**

The surface must be well prepared, clean and surface dry. Mix the Thomsit R 755 Epoxy, parts A & B, thoroughly with a drill and paddle. Decant into roller trays or buckets - do not leave the product at mass in the container, as this will considerably accelerate setting. Apply against walls, edges and around fixtures with a brush and to main areas with a medium pile roller. Avoid pooling.

During the application of the Thomsit R 755, broadcast Thomsit Fine Aggregate (0.3 - 0.8 mm.) evenly into the wet resin ensuring that a dry excess of aggregate is formed above the resin surface (approx. consumption of Fine Aggregate is 2 - 3 kg/m<sup>2</sup>). Regularly check areas that have been fully coated and ensure that there are no patches where the aggregate appears to have sunk or looks wet - add further aggregate if necessary. Allow the Thomsit R 755 to cure and then brush and/or vacuum off all dry, loose aggregate - the resultant finish should resemble medium-to-coarse sandpaper.

#### **CONSUMPTION/ COVERAGE GUIDE**

<b>Product</b>	<b>Application Method</b>	<b>Consumption / Coverage Guide</b>	<b>Curing Time</b>
<b>Thomsit R 755</b>	Medium Pile Roller	200 - 250 g/m <sup>2</sup> (4 - 5 m <sup>2</sup> per kg)	12 - 24 hours
Thomsit Fine Aggregate	By Hand	2 – 3 kg per m <sup>2</sup>	As above

### **Ceresit CN 76**

Mix CN 76 with clean, clear water (4.5 litres). Mix with an electric drill and suitable mixing attachment until the mixture is completely free of lumps. Apply the leveling compound on the floor and spread with a smoothing trowel. If required use a spiked roller to release entrapped air.

## Thomsit XXL Premium Levelling Compound - EMICODE EC1 Very Low Emission – 0.5 to 20 mm

Mix a 25 kg bag of Thomsit XXL with 6.5 litres of clean water (ratio to be maintained for part quantities). Mix in a clean container using a drill with mixing paddle attachment. Blend to a smooth and lump free consistency. Using a smoothing trowel, apply to the prepared surface to the required thickness. Allow to fully dry before proceeding.

### CONSUMPTION/ COVERAGE GUIDE

<i>Product</i>	<i>Application Method</i>	<i>Consumption / Coverage Guide</i>	<i>Drying Time</i>
<b>Thomsit XXL</b>	Smoothing trowel	1.5 kg / m <sup>2</sup> / mm (17 m <sup>2</sup> per bag at 1 mm.)	24 hours



Apply with a  
Smoothing Trowel



Pump  
Application

### Application by Proprietary Continuous Feed Mixer Pump

The Thomsit levelling compound can be pump applied with a proprietary, continuous feed mixer pump. These are available for hire from Specialist Hire Companies as “Man-and-Machine” or alternatively, installed by a Specialist Contractor. It is recommended that the Thomsit levelling compound be checked regularly for correct water to cement ratio. Flow ring testing should be carried out; rings and flow chart are available upon request. Before installation, to restrict the flow of the product at doorways, bay joints or over expansion joints, etc. Use self-adhesive foam strip or lay damp sand along a straight edge, to the required height and in the required position. The sand will retain the flow. Remove the sand once the material has sufficiently set or when fully dry. For further advice on pump application contact Thomsit Technical services.

## Requirements & Conditions Applicable to Thomsit Recommendations for Installation

### General:

The attached recommendation(s) refer to the stated project only. They are given in good faith and are, in turn, based on information obtained or given at the time of writing. They are supplementary to, and should be read in conjunction with, the relevant standards for installation, published Thomsit Product Information/ Material Safety Data Sheets, instructions on the Product Packaging and the instructions given by the floorcovering manufacturer. The Company assumes no responsibility or liability for the design and/or integrity of the structural substrate. The Company reserves the right to change any information without notice.

### Warranties:

Any warranties are given in respect of the satisfactory quality of product(s) supplied and their reasonable fitness for the purpose recommended. However, varying site conditions and methods of use influence the practical application of the product(s). The products success in application is also dependent upon the professional judgement of the user and their conformity to proper trade practice, relevant standards, codes of practice and specific instructions for installation, which are factors outside the Company's control, and for which the Company accepts no liability. Any other warranties, conditions or other undertakings concerned with the product(s) whether express or implied by statute, common law, custom, usage or otherwise, are excluded from this contract.

### Inspection:

Where a Company Representative gives recommendations as a result of an inspection, the Company accepts no responsibility for factors that are outside of its knowledge at the time of that inspection, factors outside of the reasonable scope of the Company's involvement as a manufacturing supplier, or for factors that could not reasonably be identified, foreseen or detected at the time of that inspection.

### Interpretation:

The Company accepts no responsibility for any interpretation of the recommendation(s) given, other than that intended by the Company at the time of writing. Where there is an alternative interpretation or doubt as to the precise meaning of any word, phrase or terminology used, clarification should be sought from the Company prior to the implementation of any recommendation.

### Atmospheric/ Ambient Conditions:

Atmospheric/ ambient conditions should be consistent and in accordance with the relevant standards(s) for installation. These are approximately 20°C air temperature (16 °C min.), greater than 12°C subfloor temperature, less than 55% air Relative Humidity (RH). Internal air should be ventilating (moving and changing regularly) and/or as otherwise required by the manufacturer of the floor/wall finish product(s). Any stated setting, drying or curing times assume these conditions are present.

### Moisture Content and/or Relative Humidity % (RH%) in Dense Concrete, Power-Trowelled Concrete, Cement & Sand Screed & Calcium Sulphate (Anhydrite/ Gypsum) Screeds:

Subfloor constructions of densely compacted and Power-Trowelled concrete are generally unsuitable for directly adhered floor coverings/ finishes requiring an absorbent surface and a maximum Moisture Content or RH%. Where the slab construction cannot be re-designed, or programme times or conditions will not allow sufficient drying, where necessary it is essential to allow for a surface-applied membrane system recommended by the Company.

Cement & sand screeds based on Ordinary Portland Cement, laid in thicknesses above 50 mm will also take a considerable amount of time to dry. Again, if the Moisture Content or RH% is above that recommended, a surface-applied membrane system should be allowed for.

Floor screeds based on Calcium Sulphate must be fully dry for the installation of floor covering(s), i.e. 0.5% Calcium Carbide Method (CCM%), or less, for impervious coverings, e.g. sheet vinyl and 1.0 CCM%, or less, for textile/diffusive coverings, e.g. secondary backed carpet. The surface must have any laitance removed by mechanical grinding, followed by thorough vacuum dust removal. The screed must be treated with a compatible primer, where applicable. It is important to protect the screed from outside moisture ingress, e.g. in shower areas, toilets etc. Further advice and information can be obtained from Thomsit Technical Services.

N.B: Due to the prescribed test methods for the determination of Moisture Content or RH% in various substrates differing from country to country, Moisture Content and/or RH% testing and determination, when carried out by Thomsit Personnel, or authorised representative, will be carried out in accordance with Thomsit recognised testing procedures, which is in direct relation to Thomsit written recommendation(s) and the determination of Thomsit product(s) performance. The testing may include procedures or methods not prescribed in current British Standard Codes of Practice but which may be recognised in other European or Territorial Standards. In the case of any dispute, invasive RH% testing by Digital Hygrometer Probe and/or Calcium Carbide Method and/or Gravimetric methods of testing and the obtained results are to be accepted by all Parties concerned.

### Crack Inducing, Construction or Movement Joints:

In a bonded flooring system, any joints in the substrate construction must be brought through the surface finish and must be filled with compressible joint filler and/or covered with a proprietary joint profile. Thomsit Flooring Systems assume no responsibility for the design and construction of the substrate. The Designer, Engineer, Architect, Client, or other Party responsible for the design of the structural substrate, must give any instruction that is at variance with the above, and Thomsit Flooring Systems accepts no liability for any damage or loss whatsoever caused as a result, directly or indirectly, by such instruction.

### Drying of Hydraulically Setting Powder Products:

Stated drying times assume optimum atmospheric/ ambient conditions (as stated above) and a nominal thickness of 6 mm for Thomsit hydraulically setting powder products and 50 mm for Thomsit SE 93 Rapid Screed mixed with sand. Thicker applications/ sections may require a longer than stated drying time.

### Consumption, Coverage and Wastage:

In any recommendation, the consumption or coverage given is solely included for guidance; no allowance has been made for site /substrate condition or product waste, which are subject to variable factors outside the knowledge and control of the Company.

### Health, Safety and Disposal:

During the transportation, handling, mixing and use of any Thomsit product(s), where applicable, it is necessary to carry out a Risk Assessment, observe any specific requirements and wear the correct Personal Protective Equipment (PPE). Please see the individual Thomsit Product Information/ Material Safety Data Sheets and/or the product packaging for specific requirements. Dispose of empty containers, packaging and any waste product in accordance with the local regulations for waste handling of that material. Thomsit accepts no liability for any breach, by you, of such regulations.

