

# SPECIFICATION



## MOULD TREATMENT and THERMAL INSULATION

This specification is to be used for the eradication of severe mould growth, the application of thermal insulation to combat condensation and provide energy efficient insulation and finally to protect the new decorations from further mould growth infection.

### STAGE 1 - ERADICATION OF MOULD - BACTDET D 05

- 1.1 Wash down mould infected surfaces with BACTDET D 05 diluted with 4 parts of warm water using a brush, sponge or cloth. Extend treatment one metre in all directions beyond all visible signs of infection. When the solution becomes dirty make up a fresh one. Coverage must not exceed 10 square metres per diluted litre. Allow to dry.
- 1.2 To affected carpets, roll back carpet and wash down floor surface with BACTDET D 05 solution. Spray the underside of carpets with RLT CLEARMOULD spray and allow to fully dry before re-laying.
- 1.3 WALLPAPERED SURFACES - wash down with BACTDET D 05 solution prior to stripping. Bag up wallpaper, seal and remove from the premises immediately. Wash infected area again with BACTDET D 05 solution and allow to dry before proceeding.

This stage is essential as BACTDET D 05 will kill all mould spores and prevent them spreading to other areas.

### PREPARATION

- 1.4 Prepare surfaces in accordance with good trade practice. Scrape off all loose or flaking paint and rub down to sound surface.
- 1.5 Etch previously gloss painted surfaces with glasspaper to form a key.

All preparation work must be done before the barrier, HALOPHANE BONDING SOLUTION, has been applied.

### STAGE 2 - APPLICATION OF FUNGICIDAL BARRIER - HALOPHANE BONDING SOLUTION

- 2.1 Apply by brush 1 neat coat of HALOPHANE BONDING SOLUTION extending the treatment at least one metre beyond the areas of infection in all directions and allow to dry. Coverage must not exceed 10 square metres per litre. DO NOT DILUTE.
- 2.2 Brush HALOPHANE BONDING SOLUTION well in for maximum penetration. Pay special attention to corners and junctions. Apply a second coat and allow to dry before proceeding to Stage 3.

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- 2.3 **STAINING AND/OR EFFLORESCENCE** - Apply by brush one liberal coat of MGC Stain Block to seal the surface and prevent any bleeding through prior to decoration.

**STAGE 3 - THERMAL INSULATION FOR WALLS AND CEILINGS - SEMPATAP THERMAL LINING:**

**PRIMING** All **ABSORBENT** surfaces to be primed with SEMPATAP 'A' PRIMER. Apply one neat coat by brush and allow to dry.

- 3.1 Cut **SEMPATAP THERMAL** to length allowing 25mm overlap at each end.
- 3.2 Roll up cut length of **SEMPATAP THERMAL** with **foam** facing out.
- 3.3 Apply SEMPATAP ADHESIVE with serrated SEMPATAP ADHESIVE SPREADER, or suitable notched trowel to wall/ceiling surface. Only apply adhesive to one drop length area at a time.
- 3.4 Hold the rolled-up piece of **SEMPATAP THERMAL** in one hand and unroll the first half metre, (keep remainder rolled-up), and apply **foam** side to the wet adhesive. **Keep the roll on the wet adhesive.** Unroll another half metre. Using light hand pressure, smooth out the unrolled piece that is in contact with the adhesive. If light pressure is used, **SEMPATAP THERMAL** can at this point be repositioned by sliding into place.
- 3.5 When **SEMPATAP THERMAL** is in the required position, apply firm hand pressure, or use a rubber roller, the handle of a paper hanging brush or the blade of SEMPATAP SPATULA over the first metre. The remainder can then be unrolled down the wet adhesive and smoothed out. Once applied, 'firm-up' with the same tool.
- 3.6 When applying subsequent lengths, apply the adhesive to the open edge (butter) of the previously applied drop of **SEMPATAP THERMAL**. Bring the drops together leaving a narrow gap of 1-2mm and knife off excessive adhesive. Do not completely butt the edges as this will squeeze out all of the adhesive and not afford a good bond between lengths. Continue application of SEMPATAP THERMAL as per above instructions until entire wall/ceiling is covered.
- 3.7 **SKIRTINGS, ELECTRICAL FITTINGS (SOCKETS, LIGHT SWITCHES ETC.)**  
Butt joint **SEMPATAP THERMAL** or utilise decorative beading where necessary to provide a protective edge. Alternatively, remove items and refit over **SEMPATAP THERMAL**. SEMPATAP THERMAL CHANNEL can be used for a neat finish where skirtings are less than 10mm on the top edge or have a bevelled/chamfered design. Before SEMPATAP ADHESIVE is applied, fit SEMPATAP THERMAL CHANNEL to the wall above the skirting using No Nails sealant or similar. Alternatively, remove items and refit over **SEMPATAP THERMAL**.
- 3.8 Firmly push **SEMPATAP THERMAL** into sharp internal angles - ceiling line, skirtings etc. with MGC SEMPATAP SPATULA. Trim the top and bottom edges using a sharp bladed knife. (The type of knife with a snap-off blade is ideal or wallpaper shears).

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- 3.9 All open joints and seams, both vertical and horizontal, and joints between lengths where the adhesive has dropped back slightly on drying, fill with SEMPATAP SEALANT. When the seam has been filled, wipe off any excess sealant using a damp, clean cloth. Fill any sealant shrinkage with proprietary fine surface filler using a plastic spatula. Wipe any excess from the wall covering using a damp, clean cloth.
- 3.10 **EXTERNAL ANGLES, WINDOW REVEALS, SOFFITS ETC:** Cut SEMPATAP EDGING TAPE to required length, fold along the plastic crease line to form a right angle. The plastic should be facing inside. When applied, only the paper side is seen. Brush SEMPATAP ADHESIVE along the plastic and the paper, set to one side and leave to soak for a couple of minutes. Locate over the corner of the SEMPATAP THERMAL and smooth out. Remove excess adhesive and leave to dry. SEMPATAP EDGING TAPE can be 'feathered out' using SEMPATAP SURFACE FILLER or proprietary filler.

#### **STAGE 4 - DECORATIVE FINISH**

SEMPATAP THERMAL can be decorated with virtually any material. To achieve a perfect finish it is recommended that the surface of SEMPATAP THERMAL is first cross lined with lining paper.

- 4.1 **EMULSION** – Apply 2 coats of BIOCHECK Matt or Silk Emulsion by brush or roller at a coverage of approximately 12 square metres per litre per coat. The first coat may be diluted with 10% clean water. It is recommended that Silk is used in kitchens and bathrooms.
- 4.2 **WALLPAPER FINISH** - SEMPATAP THERMAL is suitable for all types of wall covering.
- 4.3 **TILED AREAS** - SEMPATAP THERMAL is suitable for tiling above sinks and baths.
- 4.4 **GLOSS FINISH** - for woodwork, metal windows, etc. Clean down, as described in Stage (1), to remove any mould contamination. Rub down previously painted surfaces with glasspaper to form a good key. Apply 2 finishing coats of BIOCHECK WATER BASED GLOSS to all general surfaces. Bare surfaces should be primed with one coat of BIOCHECK WATER BASED GLOSS.

#### **NOTES**

1. It is recommended that when treating mould growth on external walls, the entire wall(s) is treated, extending back into the room a minimum of one metre on the ceiling and adjacent walls/partitions. This will eliminate the possibility of other isolated areas of the same wall(s) being infected at a later date.
2. The use of woodchip paper is **not** recommended.