

SMOOTH 'n PATCH

THE UNIVERSAL FLOOR SMOOTHING AND PATCHING CEMENTITIOUS MORTAR COMPOUND

DESCRIPTION

SMOOTH 'n PATCH is a two component, polymer modified, cementitious floor levelling and patch repair mortar system. SMOOTH n PATCH is an original, versatile, durable, economical and useful repair and floor levelling screed that has a smooth attractive finish. SMOOTH 'n PATCH is both useful as a preparation for additional coatings or as a final screed to build, prime or level a variety of surfaces not often suitable for conventional screeds.

ADVANTAGES

- Easy to use
- Quick drying
- Multiple substrate compatibility
- Durable and flexible
- Economical
- Chemical resistant
- Water resistant, equal to high density concrete once cured

APPLICATIONS

- Smooth and level floors before laying vinyl tiles, sheeting or carpeting
- Repair damaged concrete floors prior to painting or as a final wearing surface
- Patch holes, repair damaged stair treads, re-face damaged expansion joints, either inside or outside
- Grout in bolts, burglar bars, sliding door tracks, electrical boxes, pipes or window frames
- Emergency factory floor repair material a must for every contractor and maintenance engineer

TECHNICAL DETAILS

Appearance	Liquid - Pink
	Powder – Cement grey
Mix ratio	5L : 25Kg
Yield	15L
Coverage	5m ² @ 3mm
Cure time	2-3 hours (light traffic)
	12 hour (full cure)
Compressive strength	25 MPa (28 day)

PACKAGING

Smooth n Patch is supplied in 30Kg kits consisting of a 5L polymer liquid with a 25Kg bag of pre-blended cements and aggregate.

PRECAUTIONS

Oil in clay tiles will prevent the SMOOTH 'n PATCH from sticking to the tile and direct application on these tiles should be avoided.

DIRECTIONS

Smoothing Concrete Floors and Screeds

- Sweep well to remove dust and loose concrete.
- Remove all dirt and grime by scrubbing with a strong grease removing detergent. Rinse well.
- If grease removal is not necessary, dampen the floor thoroughly before smoothing.
- Patch deep holes by mixing washed 6mm concrete stone into the SMOOTH 'n PATCH mixture to increase its volume.
- Allow these patches to dry out for a few hours, before smoothing the whole floor.
- Repair expansion joint faces, stair nosings and other corners using a stiff mix of SMOOTH 'n PATCH i.e. more powder added to the mixture.
- Final smoothing can then be carried out using the 5:1 powder to liquid ratio (as supplied) which gives a self smoothing consistency. Spread out with a 6mm rake or 6mm notched

trowel and smooth off with the straight edge of the trowel.

- Allow to dry for approximately 1 hour before steel floating again with a flick of water to produce a decorative, polished or mottled finish.
- Allow to dry and harden for 12-24 hours or until the surface will not scratch with a fingernail.
- Vinyl tiling and carpeting may be applied the same day, provided there are no deep patches (thicker than 5mm). These should be left overnight to dry out.
- Painting may be carried out the same day for emulsion or water borne paints and after the floor has dried out completely, (24 hours) for solvent based paints.
- Floors to be used as a final wearing surface may be opened to traffic as soon as they have passed the fingernail scratch test.
- SMOOTH 'n PATCH may be used indoors or outdoors in wet or dry areas. Wet areas should be allowed to dry after application. Once dry, the surface will be unaffected by water during subsequent wetting.

Grouting in Bolts and Railings

- Grout holes should be blown free of dust and loose material and then dampened.
- Use the liquid consistency for pouring into vertical holes and the thicker plastering consistency (more powder added) for horizontal and overhead grouting.
- Holes that have become too large for expansion type bolts (Rawbolts, etc) should be plugged with SMOOTH 'n PATCH before tapping in the bolt. Leave for an hour or more before pulling up tight.
- Set sliding door rails into place with wedges for a perfect level. Drop the screws through the holes in the rail, then pour in liquid consistency SMOOTH 'n PATCH and leave to set and harden.

The Painters' Friend

- Indoor and outdoor quick repairs to plaster which may be painted over with PVA paints

within the hour without shrinkage or water sensitivity. Make up the patching consistency required and trowel into holes and defects.

- Use heavier plastering consistencies for patching corners and large defects.
- SMOOTH 'n PATCH is ideal for quick repairs prior to skim coating with a gypsum plaster (Rhinolite, etc.)
- Correct levels on off-shutter concrete with SMOOTH 'n PATCH which may be feather-edged without fear of failure.

Screed Bonding to Difficult Substrates

- Very smooth trowelled concrete, floors with bitumen or adhesive residues left behind from woodblocks, vinyl or carpets. Old terrazzo, slate or slasto floors:
 - Clean the surface of all dust, grime and loose, flaking materials. Old adhesives that are adhering firmly may be left alone.
 - Brush on the liquid consistency to give a rough surface 1-2mm thick.
 - Lay the conventional sand/cement screed onto the prepared surface.
 - Timing is not critical - any time from the surface being wet to completely dry. Old Ceramic Floor Tiles (Preparation to Receive other Finishes)
 - SMOOTH 'n PATCH adheres firmly to glazed ceramic tiles and may be used to prepare these surfaces to receive new tiles, vinyls or carpets.
 - The old tiles must be thoroughly cleaned - no grease, grime or oily residues should be present. This is readily carried out by washing with hot water containing a strong detergent.
 - Allow to dry - the only time SMOOTH 'n PATCH is applied to a dry surface.
 - Squeegee or trowel the liquid consistency (as supplied) onto the tiles and allow to set and dry out (12-24 Hours). Treat as if it were a normal floor for tiling or carpeting.
 - Do not use over unsound old tiles, remove all hollow sounding or loose tiles. Fill in voids with Smooth n Patch. Beware of structural defects. Repair before tiling.