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## DURABOND SUPERFINE FLOOR SMOOTHING COMPOUND

**DESCRIPTION:**

- Durabond Superfine is a two-part formulation consisting of a latex and a cementitious powder. When these components are mixed in the correct proportions the resulting mortar has improved adhesion and strength compared to normal cement plaster.

**USES**

- Durabond is recommended for smoothing, levelling and repairing concrete floors before laying carpet or vinyl sheeting. Durabond is also suitable on lean, sanded timber floors, although it will crack if there is floorboard movement.
- Durabond is recommended for repairing damaged floor or floors with old adhesive or floor covering remnants.
- Very smooth - Can be featheredged
- Strong adhesion to substrates, including old adhesive etc
- Can be sanded for a fine finish

**TYPICAL PROPERTIES:**
**Type:**

- Two part trowelable mortar.

**Base:**

- Latex and cementitious powder.

**Colour:**

- Grey when dry

**Flash Point:**

- Non flammable, water borne

**Density:**

- Approximately 2kg/lt when mixed

**Shelf Life:**

- 6 months in unopened containers stored at 5-30°C. Latex must not freeze and powder must be kept dry.

**Packaging:**

- Latex in 4, 20, 200 litre containers, powder in 24kg bags.

**Compressive Strength**

- 30 Mpa

**DIRECTIONS FOR USE:**
**Floor Preparation:**
**Concrete**

All residues of oil and grease must be removed by scraping, grinding or detergent cleaning. Cracks should be dug out and any loose or crumbly material removed. The floor should be thoroughly swept. Old adhesive and/or floor covering remnants may be left and covered over by Durabond as long as they are well bonded.

If in doubt about potential wet or damp floors, seal with Aquaguard 101 before proceeding. If Aquaguard is applied, prime the cured Aquaguard with Neoprime before proceeding with the application of Durabond.

- Timber & particle boards: use Durabond as recommended.
- Old tiles, Terrazzo, resin floors: pre-prime with Neoprime

**DURABOND SUPERFINE** (cont'd)

- Priming:** Not essential but to obtain maximum adhesion of the Durabond compound to the floor it is recommended that a priming coat of Durabond powder (24kg) and FLC emulsion (5kg) be brushed well into the floor. This ensures the Durabond does not dry too quickly.  
Non-porous substrates: prime with Neoprime.
- Mixing:** Mixing may be carried out by hand, electric drill, Hippo, or concrete mixer. The usual procedure, if machine mixing, is to add the powder to the mixer followed by the Durabond emulsion until the required consistency is reached. The mixing time should not exceed 2-3 minutes. Avoid over mixing.
- Installation:** The mixed Durabond compound should be poured onto the dry priming coat (if needed) and screeded to the required thickness. When this is done the compound may be trowelled to give the required finish. A wooden or steel trowel may be used and this should be kept damp by dipping in water. The entire surface should be trowelled to avoid a variation in the texture. The elapsed time allowed before trowelling is important. An experienced applicator will be able to obtain the desired finish by trowelling almost immediately after screeding. However, if further trowelling is necessary, wait until the initial setting process has commenced and carefully use a steel trowel dipped in water. "Disc off" with a floor sander to remove any trowel marks.  
Cracks in the sub floor should be filled carefully, never covered over or bridged with Durabond or these will tend to telegraph through. Any existing expansion joints must be extended through the layer of Durabond Superfine.  
Avoid laying in very hot conditions to avoid too rapid drying.
- Curing:** Complete curing takes 2 days but foot traffic and carpet and vinyl laying is usually possible after 24 hours. Do not attempt to lay vinyl sheeting over until the Durabond is dry; this will take at least 1-4 days curing under normal conditions.
- COVERAGE:** A unit of Durabond is 24kg of powder and 4 litres of emulsion. This has a mixed volume of 16 litres. This unit will cover approximately 5 square metres at 3mm thickness. Depths greater than 5mm should be applied in two or more layers. If building thicker layers it is best to apply one thick coat, allow to dry then apply a fine, even finishing coat.
- Flushing**  
Flushing a floor to smooth imperfections often averages 1mm thickness. This unit will cover 16m<sup>2</sup>.
- CLEAN UP:** All tools and mixing equipment should be cleaned with water immediately after use. Durabond has excellent adhesion when dry and is difficult to remove.

## PREPARING A CONCRETE FLOOR FOR LAYING VINYL

This document outlines a simple, tradesman's approach to preparing a floor prior to vinyl laying. Most good contractors can undertake this work. Defects in concrete will show through vinyl flooring. The concrete substrate must be very smooth.

### ADVANTAGES

- Durabond Superfine FLC: Will bond to many floor contaminants eg: old adhesive, concrete scrap.
- Easy to mix and lay.
- Self priming on most surfaces.

### METHOD

Other methods may include using self-levelling screeds (eg: Nuplex **Uzin NC160**) but these require a greater degree of experience and more care must be taken with supervision, pre-substrate inspection and laying techniques. For concrete that is in good condition but with just a few scratches and dents, use **Ultrafinish** to smooth out.

1. Inspect the concrete floor and remove large lumps and/or fill larger holes. Remove any loose material. If waterproofing is required, apply this now. Use Aquaguard 101 epoxy coating.
2. Apply Durabond Superfine FLC system.
  - Use **Durabond Superfine** for normal smoothing work.
  - Use FLC Screed 20 for fills from 20mm to 30mm (further re-finish with coats of Durabond Superfine FLC).
  - Use **Ultrafinish** for a final smoothing coat if required.

Using Durabond Superfine, mix one 24kg bag with 4Lts of FLC Emulsion with a power drill. Follow the full directions on the data sheet and apply to the prepared floor by 18" trowel. This unit will cover 6m<sup>2</sup> at 3mm thick or a general smooth rate of 12m<sup>2</sup> per unit.

Larger quantities 5 x 24kg bags per 20Lt FLC Emulsion

50 x 24kg bags per 200Lt FLC Emulsion

Allow to cure overnight.

3. **FINISHING**

Next day sand the floor using a Sandivac machine (if necessary) to remove trowel marks. This step is needed depending on the trowel application of the Durabond. This is the key item in the usefulness of this system. It enables many users to lay a good floor underlayment.

If one is a good trowel hand, then sanding may not be necessary, or only a little work with a hand stone. The level of the floor flatness also depends on whether tiles, vinyl tiles, vinyl or carpet is being laid.

The Sandivac machine using P20 405mm sanding discs will give a vinyl ready surface. The machine also self-extracts dust.

If absolutely critical the final floor can be touched up using Ultrafinish smoothing paste.

The floor is now ready for vinyl laying and will accept adhesives such as Duracryl Acrylic Vinyl flooring adhesive.

