

FLOOR LEVELLING & REPAIR PRODUCTS

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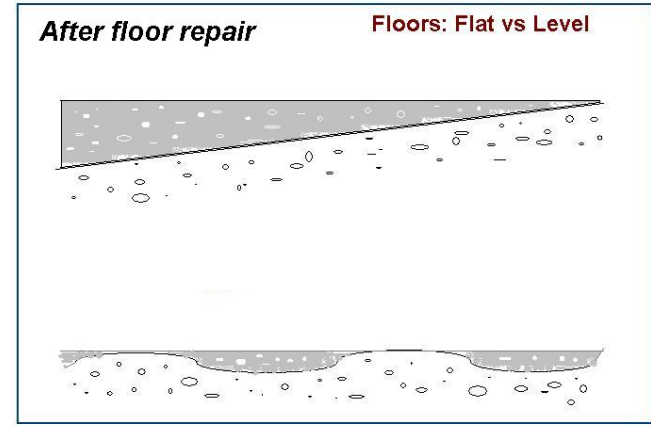
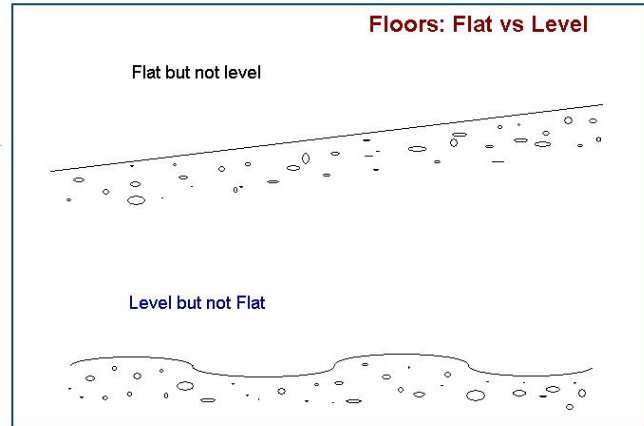
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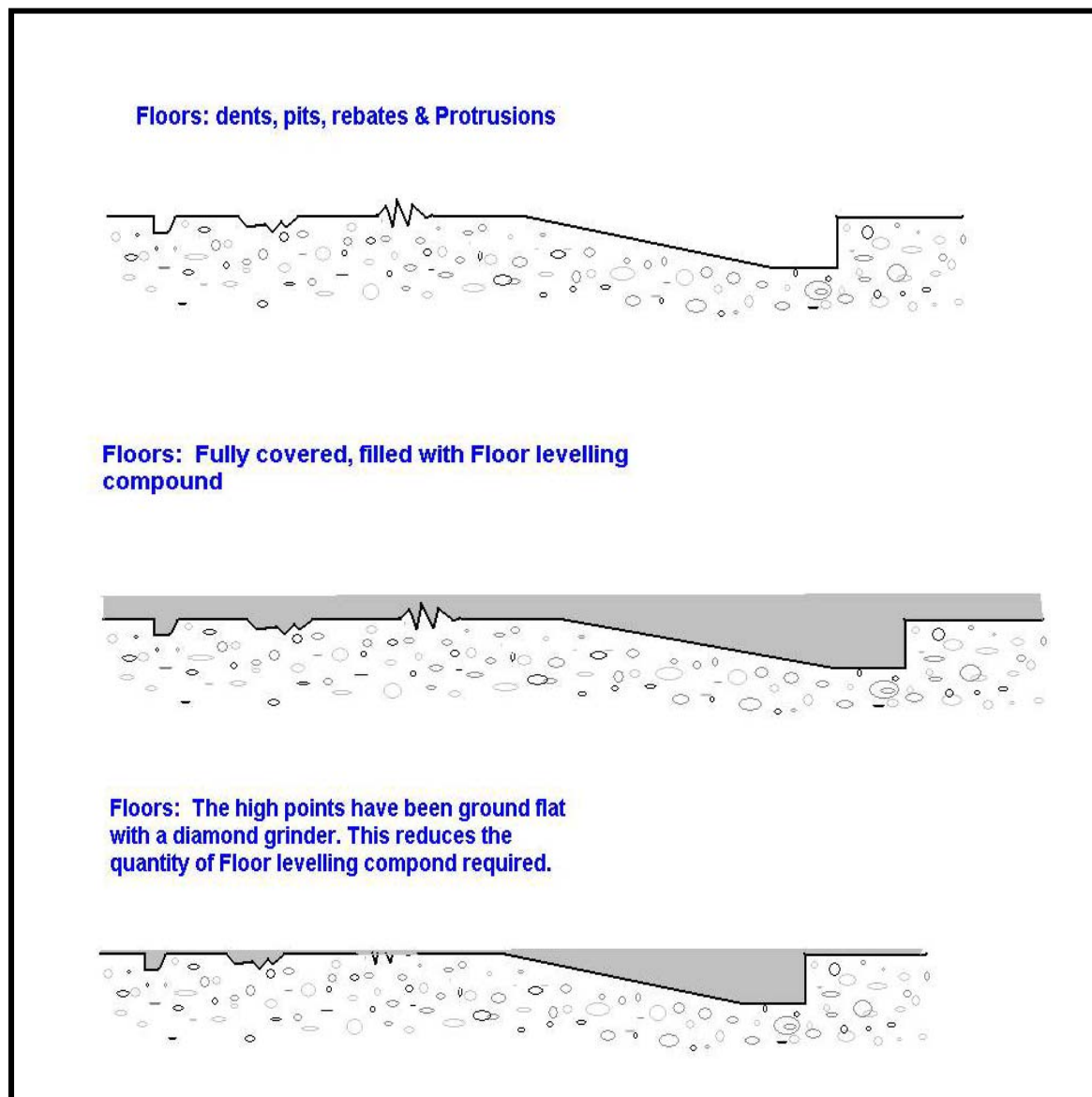
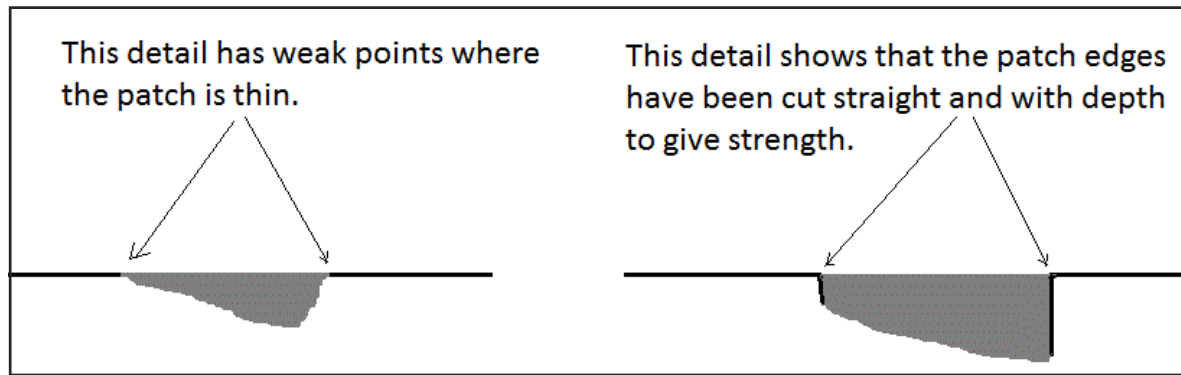
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SPECIAL POINTS OF INTEREST:

- Floor levelling will improve the appearance of top coverings.
- Top coverings will have a longer life on the flat, smooth base.
- Floor screeds vary widely from trowellable to rapid set to self levelling.
- Two-part screeds will bond more effectively to almost all substrates, old adhesives etc. Single part products need more careful surface preparation & priming.



Floor repair screeds are used to smooth, level or fill. Some products can be featheredged or they may be best installed by cutting a square edge for strength. Products that are able to be featheredged usually have the thickness listed as, eg. 0–30mm



	PRODUCT	BRIEF DESCRIPTION	THICKNESS	CURE TIME (APPROX ONLY)	STRENGTH	MIXED VOL- UME PER KIT
T	DURABOND SUPERFINE	Trowel applied, 2 part latex/cement based, general purpose floor levelling compound, interior/exterior Coverage rate: 5.5m ² @ 3mm (24kg FLC powder + 4 litres FLC liquid)	0.5 - 5mm*	12-24 hours dry 24 hours overlay	30 Mpa	16 lt
WVR	HARDFAST	Trowel applied, very quick setting, patching compound. Recommended for small areas only. Interior dry areas only. Coverage rate: 3.8m ² @ 3mm.(10 kg Hardfast powder + and water to suit). Supaset is a rapid setting standard trowel product. Mixes with 3.8-4.8 lts of water depending on thickness (use less water for thicker screeds).	0 - 3mm*	20 minutes dry 45 minutes overlay 1-2 hrs dry	N/A 24 mpa	n/a 14 lts
T	MATRIX	Trowel applied, 2 part latex/cement based general purpose floor levelling compound. Coverage rate: 12.5m ² @ 2mm (25kg Matrix powder + 5 litres Matrix liquid)	0 - 3mm*	12-24 hours dry 24-48 hours overlay	28 mpa	17 lt
T	SCREED 20 PLUS	Trowel applied, heavy duty /cement based floor repair compound designed to deep fill with high adhesion and strength. Coverage rate: 0.7m ² @ 20mm (20kg Screed powder + 1.8-2.0 lts water)	5 - 20mm Can also be used for deeper fills (>20mm) with care using lower water levels.	24-48 hours dry 2-7 days overlay	28 Mpa	12 lt
WF	MASTERTOP P 505	Ultra fine, water mixed smoother. Can be fine finished to a feathered edge. Suitable for levelling over old lino or embossed vinyl. Coverage rate: approx 30m ² /4.5 kg pail	0 - 1mm*	1 hour dry 2 hours overlay	N/A	18 lt
WSL	MASTERTOP P 510	Trowel or pump grade, cement based, self levelling, self smoothing floor finishing compound. Easy application. 20 kg bags P510 4.8-5.0 lts water	0-30mm	approx. 2 hours dry	Mpa 27	12.2 lts
WR	MASTERTOP P 546	Very rapid set mortar and levelling compound (20kg bag + 4.5-4.7 litres water)	0.5 - 50mm	1-2 hour overlay	28 Mpa	15lt
W	UNIFLOOR	Economy , water only mix. 20kg bag plus 4.5lts water	0-50mm	45 minute mix life. Dries: 4- 24 hrs depending on thickness	24mpa	14lt

Code:

T: two part / mixed with a resin emulsion

WSL: water mix, self levelling

WVR: water mix, very rapid

WR: water mix, rapid set

WF: water mix, finishing compound

W: water mix

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. Advantages:

Will bond to many floor contaminants eg old adhesive, concrete scrap

Easy to mix and lay & Self priming on most surfaces

Other methods may include using self-levelling screeds (eg 510, 515) but these require a greater degree of experience and more care must be taken with supervision, pre-substrate inspection and laying techniques.

Method

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. Over prime with neoprime before adding the screed).

2.) **Apply Durabond FLC system(s):**

FLC powder for standard smoothing (may require P505 to complete)

Use Durabond Superfine for normal smoothing work

Use FLC screed 20 for fills from 20 to 30mm (further re-finish with coats of Durabond Superfine FLC)

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 6m² at 3mm thick or a general smoothing rate of 12m² per unit.

(larger quantities 5 x 24kg bags per 20lt FLC emulsion

50 x " " " 200lt " "). Allow to cure, usually 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.

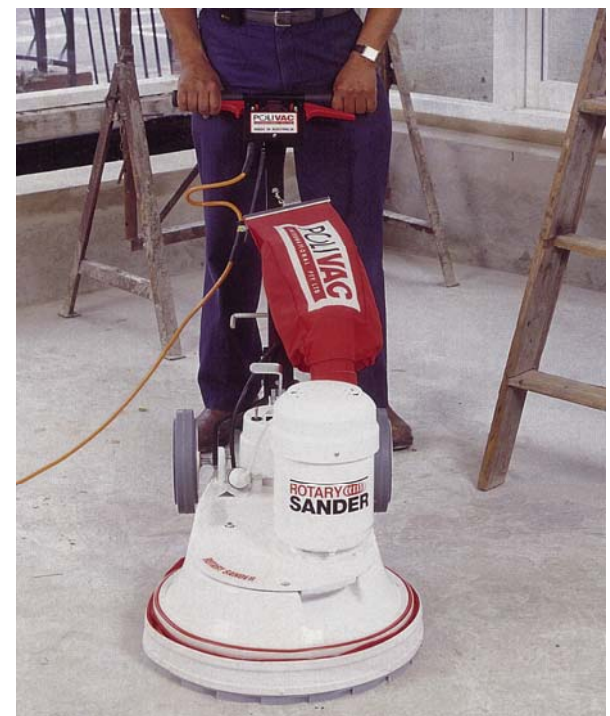
If one is a good trowel hand, then sanding may not be necessary, or only a little work with a hand stone.

The level of 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 P505 Smoothing paste.

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

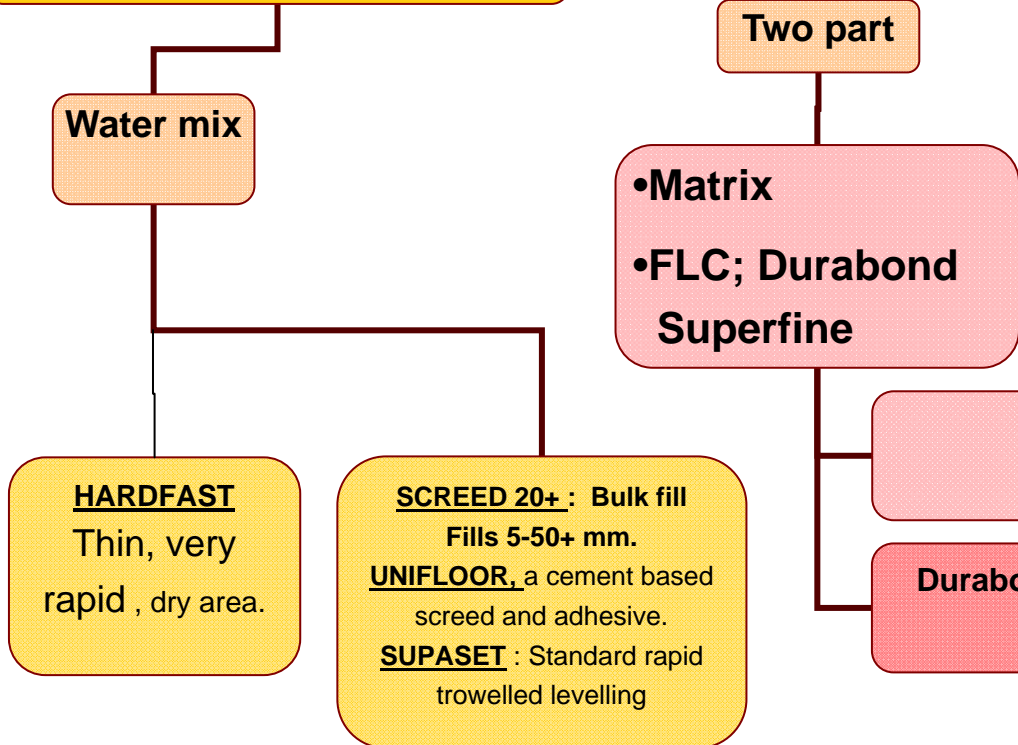


Why use two part levelling materials?

Two part products: are mixed with a polymer (resin) latex. Sometimes called emulsion or "milk". Two part products give excellent adhesion to all substrates and is highly flexible . This improves impact resistance under floor coverings and prevents chipping or sudden impact damage. Two part products are usually hand trowelled or spread. They may need final sanding or smoothing finish (P505)

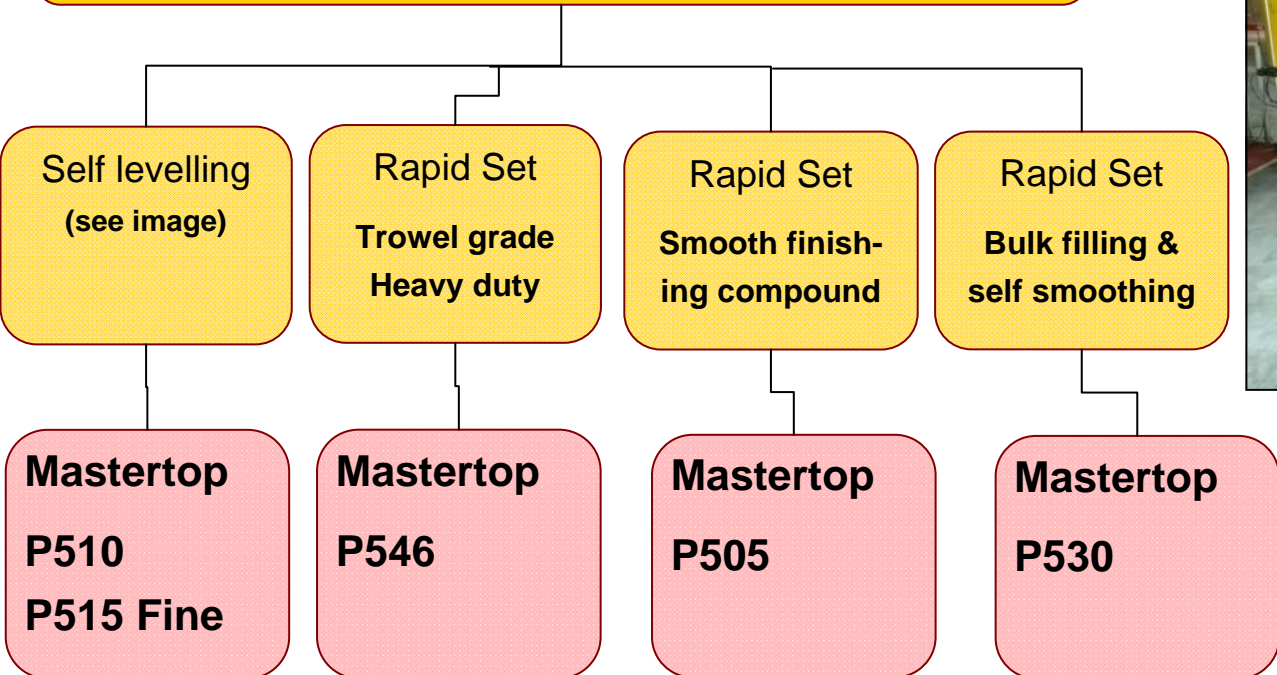


Floor smoothing



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High performance water mixed compounds



Applying P510, a self smoothing compound

Nuplex distribute BASF Mastertop Screeds for specialist floor repair, levelling and smoothing

	Compressive strength	Working time mins	Foot traffic, mins	Purpose
P505	n/a	20 mins	approx. 30 -60 mins	Very fine flushing and finishing compound
P510	27 mpa	30mins	approx. 3 hrs @23c	Self levelling compound
P515	30 mpa	30 mins	approx. 2hrs @ 23c	Self levelling compound; Very fine/smooth finish
P530	25 mpa	30 mins	approx. 3 hrs @ 23 c	Bulk fill , self smoothing compound; economy.
P546	>35 mpa	20 mins	approx. 1 hr @ 23c	Rapid set, trowel, leveling compound

PRIMING: Always prime with Duraseal to help reduce air bubbles and improve bonding. Bubbles or blisters are usually due to the lack or insufficient priming.
 Always prime the first layer if a second layer of self levelling is going over a first. Doing this without priming always results in bubbles or blisters.

