

TECHNICAL DATA SHEET

PRO LEVEL ULTRA 15

Self-Smoothing General Purpose Cementitious Underlay

DESCRIPTION

Pro Level Ultra 15 is a specially formulated floor leveling compound designed to achieve a smooth flat surface for application of carpet, tiles, vinyl and floating floor systems.

RECOMMENDED USES

- As a general purpose economical underlayment for carpet, vinyl, tiles, timber floors
- Reinstatement of uneven concrete slabs/ floors
- Leveling defective concrete that does not meet requirements of after trades such as vinyl, tiles carpet
- Rapid repairs with minimal down time
- Use in commercial, domestic and light industrial applications

FEATURES AND BENEFITS

- Rapid drying accepts foot traffic in 3-4 hours
- Ready to use- simply add water and mix
- Large areas can be reinstated in relatively short time periods
- Eliminates need for sand/ cement screeds
- Can be applied from 2mm – 30mm in a single application
- Large area can be applied with no cracking or delamination
- Floor coverings can be applied 24 hours after application

APPLICATION INSTRUCTIONS

All surfaces must be clean and free from grease, oil, paints sealers, curing compounds, dust or any material that will affect the bonding capabilities of the primer/leveling compound.

Foreign material such as bitumen, adhesive or coatings such as epoxy must be removed via mechanical means such as scabbing, captive shot blasting or grinding followed by vacuuming to remove dust and dislodged material.

If large holes and cracks are present fill with Pro Level Ultra 15 mix with equal portions medium grade dry sand (Epilox F6 or F4 Fillers are preferred).

All substrates must be primed with Level Hard Primer. Ensure concrete slabs are at least 14 days old prior to application of Pro Level Ultra 15.

Priming-

Prime all prepared areas with Level Hard Primer using a roller, brush, broom or spray application. Level Hard Primer is supplied in a ready to use form.

DO NOT DILUTE WITH WATER

Apply Level Hard Primer at a coverage rate of 5-7 square meters per litre.

For extremely porous substrates a second coat of primer may be required to eliminate air bubbles, pinholes and adhesive issues that may arise due to insufficient primer.

For very dense and non-porous substrates such as burnished concrete surfaces, it is recommended that Primeseal be used as the primer.

For additional information contact Pro Level.

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Concrete Surfaces with High Moisture Content-

For concrete surfaces that contain a moisture content of greater than 5% moisture or relative humidity greater than 75% or surfaces subject to rising damp or moisture due to hydrostatic pressure, it is recommended that Primeseal MC be used prior to application of Pro Level Ultra 15.

A minimum of two coats of Primeseal MC must be used. Allow the first coat of Primeseal to cure before applying the second coat. Refer to Technical Data Sheet for Primeseal MC prior to application.

Mixing-

Pro Level Ultra 15 requires 4.5 – 4.8 litres of water per 20kg bag.

Accurately pre-measure the required water and add to the mixing bucket. Slowly add powder to the water whilst continuously mixing.

Using an electric mixing drill with a high shear stirrer or a spiral mixing paddle mix the contents for 3-4 minutes ensuring a uniform homogenous consistency is obtained.

DO NOT MIX BY HAND.

DO NOT ADD EXCESS WATER: WATER LEVEL OF GREATER THAN 4.8 LITRES PER BAG WILL RESULT IN SEGREGATION AND BLEED AND A POWDERY SOFT SURFACE

Pro Level Ultra 15 may be applied using a continuous automatic pump such as a Putznecht or Putzmeister.

(Consult Pro Level for additional information)

Only mix the quantity of material that can be used within the working time of the material.

Apply the Pro Level Ultra 15 immediately after completion of mixing. Ensure subsequent mixers are ready to allow for continuous uninterrupted pouring onto the entire surface.

DO NOT REWORK OR RETEMPER ANY PARTIALLY SET PRODUCT. DISCARD ANY MATERIAL THAT HAS STIFFENED, HARDENED OR CURED.

Application-

Apply the mixed Pro Level to the prepared and primed substrate using a trowel, squeegee or screed bar to give the required finished thickness. The maximum thickness applied in any application should be limited to 30mm. Consult Pro Level technical staff for thicknesses greater than 30mm. Feather edging must be kept to a minimum.

Curing-

The application of a curing membrane or water is not necessary.

TYPICAL PROPERTIES			
Appearance	Light grey powder/Light grey when cured		
Fresh wet density	1850kg/m ³		
Application Temp	Minimum Maximum	5° C 30° C	
Setting Times	Initial	20° C	40 min
	Initial	30° C	25 min
	Final	20° C	55 min
	Final	30° C	35 min
Application Thickness	2 – 30mm single application		

COMPRESSIVE STRENGTH		
Age (Days)	Compressive Strength MPa	Flexural Strength MPa
1	10	3
3	15	5
7	25	8
28	28	9.5

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WORKING TIME

Temperature ° C	Time Minimum	Foot Traffic Time	Time to cover with floor covering
5	60-70	10-12 hrs	48 hrs
10	55-65	5-7 hrs	48 hrs
15	45-55	4-5 hrs	24 hrs
20	35-40	3-4 hrs	18 hrs
30	25-35	2-3 hrs	10 hrs

COVERAGE/YIELDS

Coverage obtained using
4.8 litres water per 20kg bag

Thickness	Area per m ² per 20 kg bag
5mm	2.6
10mm	1.3
13mm	1.0
15mm	0.87
30mm	0.43

A 20kg bag of Pro Level Ultra 15 will yield 13 litres.

PACKAGING

Pro Level Ultra 15 is supplied in 20kg poly lined bags.

STORAGE SHELF LIFE

Pro Level Ultra 15 has a shelf life of 9 months if stored in the original sealed packaging in dry, low humid environments.

PRECAUTIONS

- Pro Level Ultra 15 is used as an underlay only and not designed as a wearing coarse
- Do not add excess water
- New concrete must be minimum 14 days old
- If moisture content of slab is greater than 5%, apply Primeseal MC (moisture barrier) prior to application of Pro Level Ultra 15
- Do not allow Pro Level Ultra 15 to come into contact with water before or after the cure process
- If substrate over which Pro Level Ultra 15 is applied moves or cracks, reflective cracking will occur
- Do not apply Pro Level Ultra 15 over expansion or construction joints as cracking may occur
- Do not apply Pro Level Ultra 15 in direct sunlight or drying winds as pre-moisture dry will occur and possible cracking may occur
- Always use mechanical mixing to mix the Pro Level Ultra 15
- Feather edging should be kept to a minimum
- Allow a minimum of 3 days for cure at 20° prior to subjecting to medium traffic
- Do not apply point loading on any area of the floor as cracking may occur. This will be predominant in sections less than 5mm thick

For more detailed information, please read the MSDS for this product

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CLEAN UP

Wash all tools and equipment with fresh, clean water immediately after use.

Pro Level Ultra 15 can only be removed mechanically.

HEALTH AND SAFETY

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product.

Please refer to full MSDS (material safety data sheet) for this product, which is available from Pro Level upon request or through prolevel@optusnet.com.au

TECHNICAL SUPPORT

Pro Level manufactures a comprehensive range of high quality and performance construction products. In addition, Pro Level offers technical support and on-site advice to specifiers, end users and contractors.

Please contact Andrew Nauta on 0414 570 353 for this service.

The information and any recommendations relating to the application and end-use of all Pro Level products are provided in good faith based on Pro Level's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by Pro Level. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.