

DATA SHEET

131 **SELFLEVELLING FLOOR COAT / UNDERLAY**

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GENERAL DESCRIPTION

- 131 self levelling is a contemporary coating that achieves hard wearing, utilitarian floor surfaces in a range of natural tones to offset any style of interior. The product conforms to EU 2010 targets.
- D131 self levelling floor coat can also be used as a hard wearing underlay to level out floors prior to laying wood, vinyl, tiles etc. Can also be left as the finishing layer and sealed with sealer.

COLOUR RANGE

- Grey
- White
- Specific colours as per our colour range

PACKAGING

- 20kg powder

RECOMMENDED AREAS FOR USE

- Interior surfaces only
- The system is suitable for application directly onto correctly prepared concrete and wood floated cement screeds.
- D131 can be applied to tiled floors correctly prepared with the specified primer coats.
- IMPORTANT: No guarantees are offered for this system.
- D131 can be used as an underlay prior to applying wood, vinyl, tiles etc.
- D131 can be used as an underlay to level out existing surface.
- D131 can be used as a finishing layer and sealed with sealers.
- D131 is a complex, specialist product that requires application by trained applicators. Please ask your supplier to recommend a suitable applicator.

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NOT RECOMMENDED FOR

- Not suitable for external use, or on shower floors or any wet areas

TOOLS REQUIRED FOR THE APPLICATION OF D131 SELF LEVELLING / UNDERLAY

- Measuring tape
- 3 clean 20 litre mixing buckets
- Power drill with mixing bit/spindle (must be more than 1000 watt). Preferably a mixer for screeds and pastes
- A steel trowel
- Knee pads
- An industrial vacuum cleaner
- Masking Tape
- Draught Sealing Tape 3mm Thick
- Sandpaper
- Orbital Finishing Sander
- V-jointing tool
- Notched Rake & Spike roller when used as an underlay

Use only CLEAN TOOLS – dirty tools will contaminate the finished product.

PREPARATION

- PLEASE NOTE : Correct preparation is essential. All surfaces must be sound, free of friable materials, free of latence and prepared in the recommended manner. All surfaces must be dry before application and should not exceed a moisture content of 10%, as measured with an approved moisture meter.
- Cover all openings and windows with old newspaper or brown paper (not plastic) to prevent direct sunlight shining onto the floor.

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APPLICATION

- It is recommended that this product be applied by a skilled applicator.
- NOTE: For a standard size floor (60 – 200m²), allow 7 working days from start to finish

PRIMING

- Apply 1 coat 135 Floor Screed Primer to prepared topping screed using a 225mm Polypile roller at a spread rate of +/- 8 m²/litre per coat. Ensure total coverage of surface. Allow to dry for 4 hours.

LAYING THE D131 AS A FINISHING PRIOR TO SEALING

- For 20kg bag add 3,5 to 3.6 ltrs clean water into a mixing bucket.
- Add the D131 powder slowly and agitate mechanically to form a thick, flowing, lump free paste. This should take approximately 5 minutes depending on the strength of the mixer.
- Pour the mixed product onto the prepared floor surface immediately and spread out with a steel trowel to cover an area of about 4m² per mixed bag. This will ensure the correct thickness of approximately 3mm. Always work the product toward you and not away from you as this will cause trowel marks.
- The more trowel marks / ridges you leave the more movement the floor will have.
- IMPORTANT : This is a continuous process, do not stop during the application. Ensure mixers supply a continuous flow of wet product. Stoppages will leave dry lines.
- The setting time is dependent on ambient weather conditions – in cold weather the setting time can double.
- D131 should be left for 24hrs prior to traffic or sealing

LAYING THE D131 SELF LEVELLING AS AN UNDERLAY

- For a 20kg bag add 3,5 to 3,6ltrs of clean water into a clean mixing bucket
- Add powder slowly and agitate slowly to form a flowing, lump free paste. This should take +/- 5 minutes depending on strength of the mixer

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- Pour mixed product on the prepared floor surface immediately and spread out using a trowel or notched rake and spike roller to ensure a smooth level finish.
- Important : This is a continuous process, do not stop during the application. Ensure mixer supplies a continuous flow of wet product. Stoppages will leave imperfections.
- D131 should be left for 24hrs prior to traffic or sealing

SEALING

- **IMPORTANT** : Only walk on the finished off surfaces with clean, plastic-covered bare feet. Temperature and moisture will affect drying times. Do not seal if the D131 is still wet or moist. The floor must be dry, with the moisture content less than 10%. Temperature should be a minimum of 15°C.
- Before sealing lightly sand any slight imperfections or marks and ridges from the trowelling with 100-200 grit sandpaper and vacuum thoroughly.
- To retain the finished colour, apply 1- 2 coats of 121 Colour Retaining Primer at approximately 10m² per litre/coat. Ensure that the product is evenly rolled out. Any gaps or misses will turn dark when sealing. Allow to dry for at least 6 hours before sealing.
- A number of options exist, but we recommend applying either: 2 coats 112 Solvent-based Twin Pack Acrithane, Satin, Matt or Gloss sealer OR 2 coats of Water-Based Twin Pack Acrithane Satin/ Matt, depending on the finish you require.
- In high traffic areas, retail environments, kitchens, offices etc, 3 coats of your chosen sealer are recommended.
- Please refer to the relevant product data sheets for more detailed information on application.

IMPORTANT INFORMATION ON HOW TO PREVENT PROBLEMS

- All sales of this product / system must be recorded to include the name of the applicator, contract name and address and size of area and submitted to the factory
- **IMPORTANT** : The strength of the concrete surfaces or floor screeds to receive D131 must be a minim of 25Mpa.
- **REMEMBER** : D131 is to be laid at the end of any new contract / renovations to minimize the amount of the traffic (contractors) working on the newly laid floor.
- The sealers applied to the D131 takes 7 days for full cure, and there should only be light traffic after 3 days.

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FIRST SITE INSPECTION

- Entire floor area to be handed to contractor
- Moisture content to be below 10% relative (normally takes 3 – 4 weeks after laying the screed)
- Floor screed to be sound, with no cracks or hollow areas. If defects found, floor screed to be removed and replaced, then allowed to dry. The strength of the concrete surfaces or floor screeds must be a minimum 25Mpa.

SECOND SITE INSPECTION

(as start of D131 application)

- No access to other contractors during application
- A team of 3 – 4 should be able to apply and seal a 200m² floor in +/- 5 days. IMPORTANT: Allow 7 days curing time for the sealers.
- Sealers must be applied within 24 hours of previous coat. If not, sealers must be sanded to create physical bond.
- All external doors to be fitted and all waterproofing to be complete.
- Ensure that you plan the D131 application to be able to be completed in one continuous process. Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner, or from a natural cut off point to another. For the same reason, do not attempt to patch this coating.
- A minimum crew of four people is required to lay D131 : 2 people to mix the product and 2 applicators to apply the product.
- For larger floor areas, the work should be completed in sections use expansion joints to avoid cracking.
- In the case of new building projects, please ensure that this work is carried out only after all other painting and other finishing has been completed (excluding only the laying of the carpets).
- IMPORTANT: Because D131 contains a cementitious materials and natural pigments, colours will vary from batch to batch. Ensure sufficient quantities from the same batch are ordered to complete the project.
- D131 has a limited shelf life and should be applied within 6 months of purchase. It must be stored in a cool, dry place.
- Ensure that the product has not reached its expiry date – The product might not perform to spec if it is “old”.
- The product comes packaged in a 20kg bag. The entire contents must be used in one mix.
- Use the correct mixing tools
- Only use CLEAN tools – dirty tools will spoil the finished product.
- Make sure there is enough CLEAN and fresh water to clean the tools. Contaminated water can cause flash-offs or a change in colour in the product.
- Do not leave the mixed product in direct sunlight as the product can flash off.

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- If lumps are found in the D131 powder, it has been contaminated by moisture and must not be used.
- It is very important the D131 be protected from any damage during the application and prior to the sealing. A floor coated with D131 must not be walked on before the application of the floor sealer.
- D131 can be patched. Any repair work will be visible.
- Any splashes on walls or skirtings during application must be removed immediately.
- IMPORTANT : When sealing, the floor must be dry, with a moisture content of less than 10%. Temperature should be a minimum of 15°C
- It is very important that if sealing the D131 that the surfaces must not be walked on before the chosen floor sealer has cured as per the manufacturer's recommendations.
- Floors must be protected from point loads and sharp edges. Stoppers or felt should be fitted under chair, desk and cupboard legs. Soft-tyred castors must be fitted to all swivel chairs.
- DO NOT RUSH THE JOB.

SPREAD RATES AT A GLANCE

PRIMER: D135 Floorcote Screed Primer +/- 8m²/litre per coat (1 coat application)

COATING : D131 +/- 4 m² @ 3mm thickness per mixed bag (1 coat application) or +/- 5 – 6kg mixed per m² per 3mm thickness.

SEALERS : D121 Colour retaining Primer +/- 10m²/litre, D112 Solvent based Twin Pack Acrithane, Satin, Matt or Gloss: +/- 10m², D113 Water based Twin Pack Acrithane, Matt: +/- 10m²/litre

NOTE : The spread rates quoted are approximate and should only be used as a guide as the actual rate will vary depending on the condition and porosity of the substrate.

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OVERCOATING TIMES AT A GLANCE

PRIMER : D135 Floorcote Screed Primer : 4 hours

FLOOR : D131 self levelling +/- 12-24hrs prior to traffic

SANDING : After laying, leave the floor for a minimum of 24 hours before sanding. (if required)

SEALERS : D121 Colour Retaining Primer : 6 hours, D112 Solvent based Twin Pack Acrithane, satin or gloss : 8 hours, D113 Water based Twin Pack Acrithane, Matt : 6 hours

NOTE : It is very important that over coating times, as set out for the various products, are adhered to and also that the prevailing weather conditions are taken into account. Ambient and substrate temperatures, humidity and wind etc can influence drying times of all coatings. Performance problems can occur if any of the previous coats have not been allowed to dry properly before being overcoated.

IMPORTANT: To prevent surface contamination, coating must not be left longer than 48 hours between coats. If environmental or weather conditions have caused surface contamination, all surfaces must be thoroughly wiped down before applying the next coating.

FULL CURE OF SEALERS : Full cure of the Twin Pack water based Acrithane and solvent based Acrithane coatings is approximately 5 to 7 days. However, after 3 days there can be light foot traffic.

CLEANERS/SOLVENTS AT A GLANCE

PRIMER : D135 Floorcote Screed Primer : water

COATING : D131 self levelling : water

SEALERS : D121 Colour Retaining Primer : water, D112 Solvent based Twin Pack Acrithane, satin or glass : D113 Acrithane Solvent or water soluble brush cleaner. Water based Twin Pack acrithane, Matt : water

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MAINTAINING THE D131 SELF LEVELLING FLOORCOTE WHEN USED AS A FINISHED PRODUCT

In order to ensure both the longevity and beauty of your floor's new finish, we recommend that you use a good wax or polish regularly to hide those small everyday scratches. Depending on which product you use, you should even be able to keep that high gloss finish over time. Only cleaning the floor with water or a mild detergent will matt down the sealer over time and make wear and tear more noticeable.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.