

DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 1 of 8)

V1-03/07/2017

GENERAL DESCRIPTION

- Pendong 129 Pigmented Floorcote is a contemporary coating that achieves hard wearing, utilitarian floor surfaces in range of natural tones to offset any style of interior. The product conforms to EU 2010 targets.

COLOUR RANGE

16 Colours: White, Blast Furnace, Burnt Lime, Crushed Stone, Clinker Stone, Green Cement, Volcanic Ash, Mr Grey, Chalky, Jumpsuit Grey, Choc Brown, Chockey, Graffite, Sandstorm, Hapoor, Shore Dump, Dusty.

PACKAGING

- 25kg powder plus 5 liters liquid

RECOMMENDED AREAS FOR USE

- Interior surfaces only
- The system is suitable for application directly onto correctly prepared concrete and wood floated cement screeds.
- P129 Pigmented Floorcote can be applied to tiled floors correctly prepared with the specified primer coats.
IMPORTANT: No guarantees are offered for this system.
- Pigmented Floorcote is a complex, specialist product that requires application by trained applicators. Please ask your supplier to recommend a suitable applicator.



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 2 of 8)

V1-03/07/2017

NOT RECOMMENDED FOR

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

TOOLS REQUIRED FOR THE APPLICATION OF PIGMENTED FLOORCOTE

- 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
- A steel / plastic float
- A block brush
- Hamiltons 225mm Polypile Roller
- Hamilton's 75mm utility paint brush
- Knee pads / knee boards (plastic covered polystyrene boards)
- An industrial vacuum cleaner
- Masking Tape
- Draught Sealing Tape 3mm Thick
- Sandpaper – 200 grit
- Orbital Finishing Sander
- V-jointing tool

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 flatness 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.



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 3 of 8)

V1-03/07/2017

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 - 2 coats P135 Floor Screed Primer to prepared topping screed using a 225mm Polypile roller at a spreadrate of +- 8 m²/litre per coat. Ensure total coverage of surface. Allow to dry for 4 hours.

LAYING THE PIGMENTED FLOORCOTE

- The liquid must be agitated thoroughly before pouring entire contents into a mixing bucket.
- Add the Pigmented Floorcote 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 4 – 5 m² 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.
- For an organic, random look, use a steel trowel. For more subtle colour variance, use a sponge trowel.
- The laid Pigmented Floorcote will take between 60 – 90 minutes to set sufficiently hard enough for it to be walked upon to begin the polishing off process. The setting time is dependent on ambient weather conditions – in cold weather the setting time can double.

POLISHING OFF

- Lightly wetting the surface with a block brush and then using a plastic float working in a circular rubbing motion, bring the surface back to a fluid state whilst rubbing away any imperfections.



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 4 of 8)

V1-03/07/2017

- Do not use excessive water on the floor as this will cause white patches to form when the floor dries out.
- Continue until about 1 m² has been completed, then change to a steel trowel to smooth the surface as evenly as possible. Only a light steel trowel action is required.
- The excess slurry that builds up whilst finishing must be removed immediately.
- Applicators must use knee boards whilst finishing, to distribute their weight.
- Ensure no direct sunlight or any strong air flow occurs over the finished off surfaces.
- This will prevent the surface from shatter cracking.
- Allow floor to dry slowly overnight. (preferably leave for 48 hours before sanding and 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 P129 Pigmented Floorcote 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 200 grit sandpaper and vacuum thoroughly.
- To retain the finished colour, apply 1- 2 coats of Pendong 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 Pendong 112 Solvent-based Twin Pack Acrithane, Satin, Matt or Gloss sealer OR 2 coats of D113 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 Pigmented Floorcote must be a minimum of 25Mpa.
- **REMEMBER** : P129 Pigmented Floorcote 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 P129 Pigmented Floorcote takes 7 days for full cure, and there should only be light traffic after 3 days.



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 5 of 8)

V1-03/07/2017

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 Pigmented Floorcote application)

- No access to other contractors during application
- A team of 3 – 4 polishers should be able to apply and seal a 200m² floor in +/- 7 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 P129 Pigmented Floorcote 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 P129 Pigmented Floorcote : 2 people to mix the product and 2 applicators to apply the product.
- For larger floor areas, the work should be completed in sections of no greater than 5m x 5m, using expansion joints to avoid cracking. Smaller floor areas should be laid continuously to eliminate any join marks.
- 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 P129 Pigmented Floorcote 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.
- P129 Pigmented Floorcote 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 2 parts (25kg powder and 5 litres liquid) which require mixing. 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.



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 6 of 8)

V1-03/07/2017

- If lumps are found in the P129 Pigmented Floorcote powder, it has been contaminated by moisture and must not be used.
- It is very important the P129 Pigmented Floorcote be protected from any damage during the application and prior to the sealing. A floor coated with P129 Pigmented Floorcote must not be walked on before the application of the floor sealer.
- P129 Pigmented floorcote cannot be patched as 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 after sealing the P129 Pigmented Floorcote that the surfaces must not be walked on before the chosen floor sealer has cured as per the manufacturer's recommendations.
- Use plastic covered polystyrene boards for your feet, knees and the bucket. Buckets left directly on the floor will leave round marks.
- 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: P135 Floorcote Screed Primer +/- 8m²/litre per coat (1-2 coat application).

COATING : P129 Pigmented Floorcote +/- 4 – 5m² per 3mm thickness per mixed bag (1 coat application) or +/- 5 – 6kg mixed per m² per 3mm thickness.

SEALERS : P121 Colour retaining Primer +/- 10m²/litre, P112 Solvent based Twin Pack Acrithane, Satin, Matt or Gloss: +/- 10m²/litre, P113 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.



DATA SHEET
PENDONG 129
PIGMENTED FLOOR COTE

(Page 7 of 8)

V1-03/07/2017

POVERCOATING TIMES AT A GLANCE

PRIMER : P135 Floorcote Screed Primer : 4 hours.

FLOOR : P129 Pigmented Floorcote : 60 – 90 minutes (before polishing).

SANDING : After polishing, leave the floor for a minimum of 24 hours before sanding.

SEALERS : P121 Colour Retaining Primer : 6 hours, P112 Solvent based Twin Pack Acrithane, satin, gloss or matt : 8 hours, P113 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 P113 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 : P135 Floorcote

Screed Primer : water

COATING : P129

Pigmented Floorcote : water

SEALERS : P121 Colour Retaining Primer : water, P112 Solvent based Twin Pack Acrithane, satin, gloss or matt : Acrithane Solvent or water soluble brush cleaner. P113 Water based Twin Pack Acrithane, Matt : water



DATA SHEET

PENDONG 129 **PIGMENTED FLOOR COTE**

(Page 8 of 8)

V1-03/07/2017

MAINTAINING THE PIGMENTED FLOORCOTE

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 highgloss 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.

