

# Dekster

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## DATA SHEET

### DEKSTER 130 GUNSTONE

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V1-03/07/2017

#### GENERAL DESCRIPTION

- Dekster 130 Gunstone is an environmentally friendly, trowel-on resin-based floor coating which dries to a subtle, evenly shaded, durable finish. The product conforms to GBCSA environmental requirements and EU 2010 targets.

#### COLOUR RANGE

6 Colours: white, tumbled glass, spit & polish, top stone, buffed rock, mirror stone, mystic felt

#### RECOMMENDED FOR

- Interior surfaces only
- The system is suitable for application directly onto correctly prepared concrete and wood floated cement screeds.
- Gunstone is a complex, specialist product that requires application by trained applicators.
- Please ask your local Dekster consultant for a suitable applicator.

#### NOT RECOMMENDED FOR

- Not suitable for exterior surfaces.
- Do not apply directly onto tiled floors, on shower floors or any wet areas, or previously painted or epoxy floors.

DEKSTER COATINGS (PTY) LTD REG NO. 2013/106812/07

Vat reg no:4120240140

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#### **TOOLS REQUIRED FOR THE APPLICATION OF PIGMENTED FLOORCOTE**

- Masking tape to protect skirtings and walls against splashing of Gunstone
- Mixing attachment for conventional variable-speed drill (Gunstone should only be agitated by mechanical means)
- A steel plastering trowel
- Hamilton's 225mm Polypile roller
- Hamilton's 50mm Utility bush
- Clean 20 litre mixing bucket
- An industrial vacuum cleaner
- Electrical drill and mixing attachment
- Extra clean 5 litre bucket
- 25 litre bucket half filled with water
- 2mm foam draft sealer tape for edges
- Knee pads for applications
- Scrapers for scraping out products from buckets

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 foreign materials, free of laitance 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.
- Check that inward opening doors have enough ground clearance. If not, remove.
- It is advisable to acid etch the floor surface before applying D101 Penetrating primer, as a very dry porous screed will suck the product away leaving a patchy appearance.

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#### APPLICATION

- It is recommended that this product be applied by a skilled applicator.

#### PRIMING

- Porous substrates - Apply 1 coat D101 Penetrating Primer to prepared topping screed using a 225mm Polypile roller at a spread rate of +/- 8 m<sup>2</sup>/litre. Ensure total coverage of surface. Allow to dry for 6 hours.
- Non-porous substrates and base coat – Apply D504 primer (tinted) to prepared topping screed using a 225mm polypile roller at a spread rate of +/- 6 m<sup>2</sup>/litre. Ensure total coverage of surface. Allow to dry for more than 12 hours. Remove any high spots before applying the first coat of Gunstone.

#### LAYING THE GUNSTONE

- Apply the first scraper coat of Gunstone using a steel trowel at +/- 30m<sup>2</sup> per kit (+/- 6m<sup>2</sup>/litre).
- Always work the product towards 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 a continuous flow of wet product. Stoppages will leave dry lines.
- Allow to cure before applying a second coat of Gunstone at 30m<sup>2</sup> per kit (+/- 6m<sup>2</sup>/litre).
- A third coat may be necessary depending on the finish required, eg. less coats for an aggressive movement and more coats for a subtle movement. (The type of finish required by the client must be established prior to the application.)

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#### 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 Gunstone 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.
- Apply 2 coats of Solvent based D112 Twin pack Acrythane, Satin, Gloss or matt sealer.
- 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 Gunstone must be a minimum of 25Mpa.
- **REMEMBER** : Gunstone 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 Gunstone takes 7 days for full cure, and there should only be light traffic after 3 days.
- Ensure that you plan the Gunstone 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 Gunstone : 2 people to mix the product and 2 applicators to apply the product.
- Be aware, grout lines, v-joints and any other deviations may show through from the original screed.
- Any standard building defects (holes, slight damage to topping screed etc) should be filled with a scraper coat of Floor Repair. This repair work should be done the day before applying Gunstone so that any sagging takes place prior to the application of the final screed coating.
- Remove any bumps in the floor with a carborandum block or bolster.
- It is imperative that an industrial vacuum cleaner be used to remove any grit prior to the application of Gunstone.
- The 1 – 2mm Gunstone trowel-on coating will fill minor imperfections only.

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- Note : this is a one step application. Gunstone should not be re-worked or polished
- Allow the floor to dry for a minimum of 24 hours and then follow the procedure for sealing.
- Gunstone can be used as a scraper coat, either as a final finished or as a preparation coat for roll-on acrythanes. This will result in the screed colour to show through the Gunstone giving a mottled finish.
- For a standard size floor, allow 7 working days from start to finish.
- Important : Seal the Gunstone within 48 hours to avoid contamination. Dust and any form of contamination (e.g grease, paint, cretestone) will cause adhesion failures.
- Buckets left directly on the floor will leave round marks.
- Gunstone cannot be patched as any repair work will be visible.
- Any splashes on walls or skirtings during application must be removed immediately
- It should be stored in a cool, dry place. The entire required quantity should be ordered at the same time to alleviate the possibility of a colour variance. Specify on the order that the batch number of colours must be the same for each job to ensure colour consistency. Important : Batch colours do vary.
- It is advisable to protect a Gunstone floor from point loads and sharp edges. Stoppers or felt should therefore be fitted under chair, desk and cupboard legs. Soft wheels or rubber castors should be fitted to roller chairs instead of hard plastic or metal castors.
- Make sure you have enough product on site for the complete job
- Ensure product is from same batch as there could be colour differences
- Ensure that the product has not reached its expiry date – the product might not perform to spec if it is “old”
- Do not leave the product in direct sunlight as it may cause discoloration
- Used the correct mixing tools (The Fresco Drill)
- Only used 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 change in colour of the product.
- Use a drop sheet, if the product gets on to porous surfaces, it will stain the surface permanently.

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#### **SPREAD RATES AT A GLANCE**

POROUS SUBSTRATES - PRIMER: D101 Penetrating Primer +/- 8m<sup>2</sup>/litre per coat (1 coat application).

NON-POROUS SUBSTRATES AND BASE COAT - D504 Epoxy Primer (tinted) +/- 6m<sup>2</sup>/litre per coat (1 coat application).

COATING : D130 Gunstone +/- 30m<sup>2</sup> / 5litre per coat (2 or 3 coat application depending on substrate and finish required).

SEALERS : D112 Solvent based Twin Pack Acrithane, Satin, Gloss or matt: +/- 8-10m<sup>2</sup>/litre per coat.

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.

#### **OVERCOATING TIMES AT A GLANCE**

POROUS SUBSTRATES - PRIMER : D101 Penetrating Primer : 6 - 8 hours (no longer than 48 hours).

NON-POROUS SUBSTRATES AND BASE COAT – D504 Epoxy Primer (tinted) : 6 – 8 hours (no longer than 24 hours).

COATING : D130 Gunstone : 12-16 hours.

SEALERS : D112 Solvent based Twin Pack Acrithane, satin, gloss or matt : 8 - 12 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 washed down before applying the next coating.

FULL CURE OF SEALERS : Full cure of the D113 Twin Pack water based Acrithane and D112 Solvent based Acrithane coatings is approximately 5 to 7 days. However, after 3 days there can be light foot traffic.

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#### **CLEANERS/SOLVENTS AT A GLANCE**

PRIMER : D101 Penetrating Primer : Epoxy thinners or water-soluble brush cleaner.

COATING : D130 Gunstone : water or water soluble brush cleaner.

SEALERS : D112 Solvent based Twin Pack Acrithane, satin, gloss or matt : Acrithane Solvent or water soluble brush cleaner.

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.

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