

Release Agent - Pigmented Datasheet

October 2017

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A coloured, cement-based powder release agent to be used in conjunction with texture imprint mats.

Technical Data

Type	Cement based release agent
Colour	See www.cemcrete.co.za .
Pot life	N/A
Working time	N/A
Initial set	N/A
Application temperature (ambient)	8°C to 25°C
Substrate temperature	8°C to 25°C
Minimum application thickness	Light dusting as required
Maximum application thickness	Light dusting as required
Density	1kg/litre
Protection during application	Use wind and sun barriers. Surface must be moist

Applications

- To add contrasting colour to the micro-topping/cement overlay being imprinted.
- Acts as a release agent ensuring that the mould used to imprint designs releases cleanly from the substrate.
- Assists in retaining the moisture in the substrate during the early stages of hydration (curing blanket).

Advantages

- Available in earthy tones that make imitating nature easy.
- Hydrophobic material that has the ability to repel water.
- Becomes an integral part of the substrate.

Specifying

Release Agent - Pigmented was designed to be used in conjunction with Colour Hardener, to provide colour contrast and ensure that the mould releases cleanly when imprinting the surface of Colour Hardener. It may also be used in conjunction with DecoCrete or TileCrete when imprinting is done.

Specimen Finish

A trial area should be treated on-site for the engineer's or architect's approval and to serve as a control sample to which the designated contractor should work.

Site Work

Surface Preparation

Newly applied cement coatings to be treated must be clean and free of laitance, dirt, film, or other foreign matter. Surfaces must also have sufficient moisture so as to facilitate a natural bond between the **Release Agent - Pigmented** and the 'green' substrate.

'Fluffing'

Release Agent - Pigmented in its container is relatively compacted and one needs to work it loose with one's fingers until a loose fluffy consistency similar to cake flour is achieved prior to use.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Application

Dip either a 38mm or 50mm painters brush into the **Release Agent - Pigmented** ensuring that the bristles are well covered with this material. Then paint the textured side of the imprinting mat making sure that the mat has an even layer of the **Release Agent - Pigmented** dust spread over the entire surface of the mat. Then using the same brush dip it into the **Release Agent - Pigmented** and flick the brush in a manner that creates an even fine dust layer over the surface of the substrate.

Once this has been achieved using the blend of desired colours the imprinting mats can be placed textured side onto the substrate carefully so as to avoid drag marks etc. Then step onto the mat and apply pressure evenly over the surface of the mat. Using another mat with a similar texture and prepared in the same manner place this so as to link the seams (grout edges etc.) Then using the first mat as a platform to step onto the second mat exert an even pressure on the second mat in the same manner as the first.

Whilst remaining on the second mat one must now fold the first mat to the point of least resistance and no suction, lifting it perpendicular to the substrate and avoiding any form of dragging that will result in drag marks. Repeat the previous processes working your way to the point of exit but be cautious to place the mats at different angles so as not to repeat patterns thus enhancing the sense of authenticity.

Special instructions

After application **Release Agent - Pigmented** should be left on the imprinted surface for at least 72 hours to set. Dry Release Agent powder remaining on the surface can be gathered and reused at a later stage if required. Thereafter rinse with clean water to remove excess material so as to expose approximately 60% of the base colour. Most textured/ indented areas should retain the **Release Agent - Pigmented**.

Coating

Coat as many coats of Colour Hardener Sealer as is required to get an even sheen. The number of coats used will depend porosity and texture. Allow 2 to 3 hours between coats depending on the weather. Only coat where moisture levels are less than 5%. Refer to the Colour Hardener datasheet.

Safe Handling

Please always use dust masks when using **Release Agent - Pigmented**. Will irritate eyes and skin and may cause skin sensitization. Wear appropriate eye, skin and breathing protection when using this product. Avoid contact with skin and eyes.

Storage

Unopened drums can be stored on slats in a dry shed for 6 months after date of invoice.

Coverage

Approximately 300g/m².

Packaging

Available in 5kg and 15kg drums.

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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