



Technical Data Sheet (TDS)

Product Name

Flex-C-Ment™ POWDER RELEASE AGENT

Manufacturer

DBS İnş. Taah. Kimya San. ve Tic. Ltd .Şti.

Altaycesme Mah Demirli Sitesi A Blok No.6 Duk.1 Maltepe, İstanbul / TURKEY

T. (0090.216) 457 80 47

F. (0090.216) 457 80 46

www.flex-c-ment.com.tr

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Technical Data Sheet (TDS), Material Safety Data Sheet (MSDS).

1. Description: Powder Release Agent is a color powdered bond breaker used with stamping mats, texturing skins and texture rollers. It also provides accent colors that compliment or contrast with the underlying concrete surface. Additionally, it enhances the transfer of the detailed pattern and texture, and prolongs the surface life of the stamping mat or texturing tool. It is compatible with integrally colored concrete, color hardened concrete and stampable cementitious overlays.

Antiquing Release is a finely ground, streak free powder that is a blend of UV-resistant pigments and water repelling additives. It is broadcast over the concrete surface prior to placing the stamping or texturing tools. As the imprinting tool is pressed into the plastic concrete surface, a portion of the Antiquing Release is embedded into the textured surface of the concrete. As the tool is removed, it breaks cleanly, without marring the colored concrete surface. Upon washing and sealing, the difference in color between the base concrete and the release creates a visually attractive, antiqued look to the concrete. The added color visually enhances the depth of the texture. The amount of release agent retained on the concrete will vary. Antiquing Release can be used in matching or contrasting colors to create a variety of effects.

2. Limitations: Antiquing Release should not be used as the primary coloring agent. It should not be troweled into concrete. Do not use as a curing compound. Antiquing Release will produce variegated colors and is a function of concrete mix design, timing, method of application and removal, method of imprinting, and weather. Avoid over application, which may minimize the depth of texture. Cover and protect adjacent surfaces from contamination during application and residue removal.

Antiquing Release is retained on the surface by a mechanical bond. It will require an application of a sealer to enhance the longevity of the antiqued coloration.

3. Caution: Use with adequate ventilation. Applicators and all other onsite personnel must wear a dust respirator while applying or working around this product. Avoid contact with skin and eyes. Wear rubber gloves to protect skin and safety eye goggles. Use good hygiene when handling this product. Wash and bathe after each use. Keep out of reach of small children and animals. Do not take internally.

4. Packaging: Antiquing Release is packaged in 20 kg bags and 5 kg pails. Available in 12 standard colors.

4.1 Shelf Life: Indefinite, when stored in original, unopened containers, in dry storage.

5. Coverage: Coverage varies depending on timing, application technique, method of finishing, surface texture prior to imprinting, coloration effect desired, and other conditions. For most applications, the coverage rate is approximately 100-150 grams/1 square meter

Prior to the installation of any job site concrete, make and approve a representative sample for each color effect desired to determine the timing, application rate, finishing, removal, and sealing techniques.

6. Application: Cover and protect adjacent surfaces near the work area prior to applying Antiquing Release. This is especially critical on windy days. The concrete surface should be lightly troweled before the application. Rougher finishes may require more material to achieve the proper coverage and may retain an excessive amount of release powder after the removal process, thereby affecting the color of the surface. Immediately prior to the placement of stamping mats, texturing skins or texture rollers, broadcast Antiquing Release uniformly over the surface. Apply enough release so that the moist sheen on the concrete surface is covered. Do not apply over standing bleed water. Antiquing Release should not be broadcast for more than a few meters or from above the knee to minimize drifting outside of the work area. Once applied, do not work the surface with a float or a trowel. The surface of the imprinting tools should also be lightly brushed with the release powder. Timing is critical; applied too early, the antiquing release may be difficult to remove; applied too late, and most of the antiquing release will be removed during the removal and cleaning process.

7. Removal: After imprinting has been completed, the residual Antiquing Release must be removed to prevent tracking and loss of adhesion when a sealer is applied. Do not clean the surface until the concrete has cured for 24-48 hours. Cold temperatures may delay the cleaning process, since the concrete will require a longer cure time. Cleaning too soon may cause complete loss of the antiqued color, as well as damage to the colored concrete substrate. A small area should be test cleaned to evaluate the cleaning process and the resultant colorations. Sweep or vacuum excess release, and follow by scrubbing with a soft bristled brush and water. Water can be applied with a garden hose or a high-pressure wash. With either method, take care not to damage the surface of the curing concrete or remove too much antiqued colorations. Protect adjacent surfaces from runoff. Dispose of all residual materials in accordance with local, state, and federal regulations. The antiquing release is mechanically bonded to the concrete, so the surface must be sealed and maintained to preserve its antiqued appearance over time.

8. Sealing: After Antiquing Release has been removed from the surface, Sealer should be applied after the concrete has thoroughly dried for a minimum of 72 hours at 21° C. Approve final color before the sealer is applied. Sealed surfaces may become slippery when wet. Sealed surfaces will require maintenance.

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