



# HATCRETE

## Colour Release

A coloured dry-shake bond breaker for imprinted concrete.

C1/SfB
(4-) Yu2 (G5)

### TECHNICAL DATA

# TD 15

#### DESCRIPTION

HATCRETE® Colour Release is a ready to use, coloured, powdered material used as a bond breaker to prevent imprinting mats and rollers adhering to freshly placed concrete. It may also be used to create antiqued or variegated effects. Colour variations that occur in stone and other natural materials can be subtly emulated by using one or more contrasting colours to the underlying colour hardened surface.

#### MAIN FEATURES

- Ready to use dry-shake application.
- Available in 10 standard colours.
- Custom colours made to order.
- Packaged in 10 kg plastic containers.
- Colour consistency guaranteed.
- Quality assured to BS EN ISO 9002.
- Pigments used conform to BS EN 128 78: 1999.

#### COVERAGE

The coverage rate of HATCRETE® Colour Release is approximately 5 -7 square metres per kg. One container is sufficient for approximately 60 square metres.

#### AVAILABILITY

HATCRETE® Colour Release is normally available ex-stock in the 10 standard colours. Custom made colour options can usually be manufactured within one week of approved colour match.

#### STORAGE

HATCRETE® Colour Release should be stored in the original sealed containers in a dry environment. Shelf life for this product is at least one year when stored correctly.

#### APPLICATION

Ensure that the working area is roped off to exclude pedestrian and vehicular access before commencing any work.

HATCRETE® Colour Release should be applied after the concrete has received the final trowel and prior to imprinting. It should not be applied in windy or wet conditions due to the fine nature of the powder. A light, even coverage over the whole of the concrete surface is all that is necessary, taking care to ensure that the whole area is adequately covered. Imprinting mats or rollers are then applied to achieve the final pattern. If insufficient release is used,

the imprinting mats will adhere to the underlying concrete and create a poor finish. Too much release may diminish the pattern detail and will be harder to remove later. Prior to application, an on-site sample should be made and tested to achieve the final, approved finish.

It is important that the concrete surface is sufficiently 'plastic' to hold the release. If the concrete is too soft, an excessive amount of release will become embedded into the surface and the predominant colour of the finished slab will be that of the release. Throughout the whole process of laying coloured concrete, the specific working area should be protected from adverse weather conditions.

When the concrete has cured sufficiently to withstand possible damage, the excess release should be removed using either a pressure washer or hose pipe and brush. This should be a minimum of 2 -7 days after placement but will be dependent on atmospheric conditions. The appearance of the finished slab can be controlled by the amount of release agent removed during the washing off process. Care should be taken to control the run-off; it must not be allowed to flow onto nearby surfaces, or into the main drainage system.

A small area should be tested to verify the concrete strength and establish a technique before washing off the whole area.

The area should not be opened for use until the surface has been fully sealed. HATCRETE® Clear Sealer, a solvent based, acrylic polymer is the only recommended compatible product for sealing coloured, imprinted concrete. For further information on this product refer to Technical Data Sheet TD13. In high temperature zones HATCRETE® Hyseal should be considered. This is a high grade, water based sealer and further information on this product is available in Technical Data Sheet TD17.

#### APPLICATION FOR ANTIQUED FINISHES

To achieve an aged or antiqued appearance or to emulate the subtle colour variations that occur in stone or other natural materials, one or more contrasting release colours may be used. It is useful to make an on-site trial panel and experiment until the desired effect is achieved. Generally the chosen release colour should be a darker colour than the underlying colour hardener.

#### CURING AND SEALING

**Do not cure colour hardened concrete with plastic sheeting, hessian, curing waxes or similar products, as these will have an adverse effect on the colour.**

Concrete surfaces with variegated colours, including those where a contrasting colour release has been used, should be cured using non-staining curing paper. HATCRETE® Colour Release alone is not sufficient as a curing membrane. The concrete should be sufficiently cured before application of HATCRETE® Clear Sealer or HATCRETE® Hyseal, to minimise the likelihood of salts migrating to the surface and being trapped beneath the sealer.



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For optimum results, two coats should be applied at a rate of 6-10 square metres per litre, per coat. HATCRETE® Clear Sealer Technical Data Sheet TD13 or HATCRETE® Hyseal Technical Data Sheet TD17 must be referred to for full instructions before using either product.

Uniform, single colour surfaces, should be sealed with HATCRETE® Cureseal in a matching colour in two coats, at a rate of 6-10 square metres per litre, per coat. Technical Data Sheet TD14 must be referred to for full instructions before using this product. In high temperature zones, HATCRETE® Hycure should be considered. Refer to Technical Data Sheet TD16 for further information.

## MAINTENANCE

Colour hardened concrete surfaces finished with either HATCRETE® Clear Sealer or HATCRETE® Cureseal require minimal maintenance, depending on the nature and specific use of the floor. Spills should be removed as they occur and the floor may be scrubbed and hosed down with an approved proprietary neutral detergent. Rotary floor cleaning machines may be employed.

Further maintenance coats of sealer should be applied as and when necessary. This will be determined by the degree of trafficking the floor is subjected to.

For further information on maintenance, please refer to Technical Data Sheet TD13 for HATCRETE® Clear Sealer or Technical Data Sheet TD14 for HATCRETE® Cureseal.

## HEALTH AND SAFETY

As with all chemical products care must be taken when handling and in use.

Before using HATCRETE® Colour Release read Safety Data Sheet SD15 available from Roy Hatfield Ltd.

Keep away from children and animals.

**Hatfield's quality system is approved by the BSI and conforms to BS EN ISO 9002. This applies to the manufacture and supply of all Hatfield products.**

<b>LOCAL SUPPLIER</b>
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