

SIENNA

Reactive Decorative Stains for Concrete

Sienna Concrete Stains are a mildly acidic based decorative finish for concrete and other mineral based materials, where reaction with free lime creates a permanent, variegated, natural, earth tone effect to the surface.

INTERIOR APPLICATIONS – Suggested Method Statement.

1. Make sure the surface of the concrete to receive the stain is clean, free of all loose material and that there is no barrier sealer or curing membrane on the surface. On very old surfaces, the slab should be tested for free lime reaction. If this is absent or reduced, an application of stain reaction improver is advised, before the decorative work is commenced.
2. Application of a decorative stain will not alter the surface texture, condition or remove any existing blemishes and surface damage. If the existing surface is not acceptable, consideration should be given to surface refurbishment with a Beton Cire Micro Topping (see separate technical data).
3. Apply the first coat of stain, diluted 1 : 1 with water, as a preparatory coat. The stain should be applied with a stiff brush in an agitated, circular motion. A “fizzing” reaction will be apparent and this is normal. Material should be applied liberally, over the whole area, although care should be taken not to allow run off onto adjacent areas.
4. Leave the stained surface to react for a period of 2 – 4 hours. Although the reaction with free lime neutralises the material, all residue should be removed with a wet/dry vacuum cleaner, before proceeding further. The product is acidic in nature and normal precautions for handling and controlling such materials apply. Hazard level is similar to that of brick cleaning acid.
5. Once clear of any residue and dry, apply the second coat of Stain at full strength, by repeating procedures detailed in 3– 4, above.
6. Repeat with further coats as required.
7. Once the desired level of stained surface has been achieved, the surface must receive an application of protective sealer. Choice of sealer varies according to the ultimate use of the surface. For vertical surfaces and light use horizontal installations HRL Sicorol W Colorfresh penetrating sealer will usually be adequate. For heavier duty surfaces where extensive foot and/or vehicular traffic is anticipated, additional surface hardening should be incorporated which can be obtained from HRL Pentra-Guard, depending on the specific application. (see separate technical data).
8. Slip resistance is addressed by a combination of the lightly etched surface resulting from the staining, and the slip resistant characteristics for the penetrating sealer chosen. In addition, specific slip resistant measures can be taken.

NOTE:

It should be appreciated that application of Sienna Concrete Stain is based on a reaction of the product with free lime in the cement at the concrete surface. The effect is a variegated finish where shading of the finished colour is normal and desirable. Actual colour development is affected by cement type, colour and content, together with the underlying colour of the receiving slab. As such, exact final colour is only predicable with a test panel, although is repeatable provided consistent timings and procedures are maintained.

The production of on site samples is therefore, strongly recommended, prior to application.