

Top-Cast® Series (050-075)

Top-surface retarder

DESCRIPTION

TOP-CAST® is a water-based top-surface retarder. It does not require covering with plastic for protection. It is available in 11 depths of etch, each colour and number coded for safety and convenience.

Each product grade creates a unique degree of reaction to produce the desired effect on the surface mortar. The retarding chemicals diffuse into the paste during the first hours of curing and slow down the cement hydration reaction. During the next 16+ hours of curing the bulk concrete hardens, except where the cement matrix has been retarded. The retarded surface can then be removed by water or pressurized water, revealing the aggregate in the concrete mix.

BENEFITS

- Comprehensive range of etch depths
- Excellent depth of etch control Colour coded products
- Heavily pigmented for ease of application
- Excellent coverage rates
- Solvent free and odourless
- Heat resistance up to 65°C

APPLICATION

- Ideal for poured-in-place flatwork and the top surface of precast panels

INDICATIVE INFORMATION

Product Nature	liquid
Lifetime	12 months
Specific gravity (kg)	1,060 ± 0,010
pH	4,00 ± 2,00

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

METHOD OF USE

Application:

In preparation for pouring of concrete, protect all curbs, borders, adjacent stones, pavers, etc. with a coat of PIERI® FACE-OFFTM surface protectant. Allow coating to dry before pouring concrete. Pour concrete and float or trowel finish. Shake well before application. Apply TOP-CAST® surface retarder uniformly to the wet concrete after the initial bleed water rises to the surface. Spray with a low-pressure sprayer (plastic preferred) until the surface has a complete hiding coat. Do not apply too sparingly. Use water for clean-up. Once dry (i.e. 1 to 2 hours after application), TOP-CAST® surface retarder provides excellent protection against intermittent rain.

Removal:

The retarded cement matrix is normally washed away the next day, using high-pressure water. When using certain mix designs, especially in warmer temperatures, it may be necessary to remove the retarded matrix the same day for best results, particularly when using the lightest etches.

Dosage :

The dosage rate of TOP-CAST® is approximately 4.3 to 7.4 m² / L. Always prepare small test panels to determine the most suitable grade to obtain the desired depth of etch. When pouring test samples, always simulate job site conditions as well as mix designs to be used on the project to establish the proper grade selection and procedures.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).