



Concrete Tool Importers Ltd

COLOURCRETE SURFACE RETARDERS - NR & SG TECHNICAL INFORMATION

DESCRIPTION

Colourcrete Surface Retarders NR & SC are assistants in the production of exposed aggregate and are solutions of chemicals which react with cement in the concrete surface, retarding the set of the surface layer to a depth of between 3mm and 12mm while the underlying concrete sets. This enables the concrete surface to be removed easily, often by brushing or water blasting and exposes the aggregate to give the depth of the etch to the concrete.

These retarders come in two forms:-

- (i) Colourcrete Surface Retarder NR – Maximum strength of concrete – 20 MPA
- (ii) Colourcrete Surface Retarder SG – for strengths in excess of 20 MPA

SUITABILITY

Colourcrete Surface Retarders N& S are used on horizontal concrete surfaces to produce decorative and non-slip finishes.

As a general rule, the depth of etch should not be greater than one-third of the mean diameter of the aggregate.

TYPICAL PROPERTIES

Colour:	Colourcrete Surface Retarder NR – Red Colourcrete Surface Retarder SG – Green
Specific Gravity:	1.05-1.08 kg/litre
Flash Point:	N/A
Viscosity:	Low – Medium
Shelf Life:	12 months in original unopened container

METHOD OF APPLICATION

The concrete to be treated should be screeded and lightly trowelled to the desired finish.

Apply the Colourcrete Surface Retarder after the initial bleed water has disappeared from the surface and before the concrete has started to set. Spraying is by far the most economical form of dispersion of Colourcrete Surface Retarders. Spray or brush on evenly over the entire surface that has to be treated, taking care that uniform rate of coverage is achieved.

COVERAGE

4-6 m² per litre.

REMOVAL

After the concrete has initially cured (up to 24 hours), remove the retarded surface laitance by a combination of brushing and/or water jet to reveal a clean exposed aggregate finish.

PACKAGING

20 litre containers and 200 litre drums.

IMPORTANT NOTES

As the Colourcrete Surface Retarders are supplied ready-to-use, there is no need for any mixing and MUST NOT BE DILUTED.

If laitance removal is by a high powered water blaster, take particular care not to leave the nozzle aimed in one particular spot for a long time.

Do not leave the treated surface longer than the specified time because a concrete surface will harden and render the retarder useless. Constantly check the degree of setting as varying temperatures throughout the year and day will dramatically alter the speed of set

Always wash out spraying equipment with warm water.

THE INFORMATION PRESENTED IS BELIEVED TO BE ACCURATE. HOWEVER NO GUARANTEE IS IMPLIED OR GIVEN. USER'S SHOULD CONDUCT THERE OWN TESTING TO DETERMINE THE SUITABILITY OF ANY PRODUCT FOR A PARTICULAR PURPOSE.