

## PRODUCT DESCRIPTION

Permacolour Surface Retarders are solutions of chemicals which react with cement in the concrete surface and retards 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:

- |   |   |   |                                      |
|---|---|---|--------------------------------------|
| 1 | Permacolour Surface Retarder (SR20)       | - | Maximum strength of concrete - 20MPA |
| 2 | Permacolour Surface Retarder Extra (SR25) | - | For concrete strengths over 20MPA    |

## USES

Permacolour Surface Retarders are used on horizontal concrete surfaces to produce decorative and non-slip finishes. It can also be used to form a mechanical keyed surface to improve the key of new concrete to old concrete.

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

## APPLICATION INSTRUCTIONS

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

Apply the Permacolour 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 Permacolour 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.

## REMOVAL

After the concrete has initially cured (up to 24 hours in hot conditions, and 30 hours in cooler conditions), remove the retarded surface laitance by a combination of brushing and/or water jet to reveal a clean exposed aggregate finish.

## IMPORTANT NOTES

As the Permacolour 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 as 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.

Always wash out spraying equipment with warm water.

## PRODUCT DATA

Appearance/Colour:	Perma-Colour Surface Retarder	- Blue
	Perma-Colour Surface Retarder Extra	- Green

## PACKAGING

5lt, 20lt, 200lt packs.

### WARRANTY

Permacolour products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification. The information contained herein is true and accurate to the best knowledge of Permacolour. Since we cannot anticipate all possibilities and conditions under which this information and our products may be used, Permacolour hereby accepts no responsibility and offers no warranty in the case of results achieved by the use of our products or of the safe use and suitability of these products. Permacolour offers our products for sale subject to, and "The Customer" and all users are deemed to have accepted our Terms and Conditions of Sale. We warrant our products to be free of manufacturing defects. If any product is found to be defective and was within storage/shelf life, Permacolour will replace the product at no charge to the purchaser. Permacolour makes no other warranty with regards to our products, either expressed or implied. Whilst any information provided by ourselves, both verbally or written, is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. As all Permacolour technical data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.