



## BDC PAINT SURFACE RETARDER

### TECHNICAL DATA

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#### *DESCRIPTION*

BDC PAINTS SURFACE RETARDER S 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 waterblasting and exposes the aggregate to give the depth of the etch to the concrete.

*BDC PAINTS™ Surface Retarder S – for strengths in excess of 20 MPA*

#### *USES*

- BDC PAINTS™ SURFACE RETARDER S 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.**

#### *DATA SPECIFICATIONS*

<i>Colour:</i>	BDC PAINTS Surface Retarder S – Green
<i>Specific Gravity:</i>	1.05 – 1.08 - kg/litre
<i>Flash Point:</i>	N/A
<i>Viscosity:</i>	Low - medium
<i>Shelf Life:</i>	12 months in original unopened container
<i>Coverage:</i>	4 – 6 m <sup>2</sup> / litre

**APPLICATION INSTRUCTIONS**

- The concrete to be treated should be screeded and lightly trowelled to the desired finish.
- Apply the BDC PAINTS™ 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 BDC PAINTS™ SURFACE RETARDER. 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 laitence by a combination of brushing and/or water jet to reveal a clean exposed aggregate finish.

**PACKAGING**

20 litre containers, 210 litre drums.

**IMPORTANT NOTES**

- **As the BDC PAINTS™ SURFACE RETARDER are supplied ready-to-use, there is no need for any mixing and MUST NOT BE diluted.**
- If laitence removal is by a high powered waterblaster, 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.

**DISCLAIMER:**

*The above information is given in good faith based on the present state of our knowledge of the product at the time of publication. No warranty is implied with respect of the quality of specification of the product. The user must satisfy themselves that the product is entirely suitable for their purpose.*

*BDC PAINTS Limited can assume no responsibility for any liability incurred with regard to either results obtained or patent infringement. It is the sole responsibility of the user to take all precautions required in handling this product (refer to Material Safety Data Sheet)*

*- updated August 2020 -*