

## PRODUCT DATA SHEET

# Sika® Separol®-288 FD

(formerly 288 FD)

Concrete surface retarder for forms and moulds

### DESCRIPTION

Sika® Separol®-288 FD is a medium viscosity, liquid retarder used for achieving an exposed aggregate finish on concrete by retarding the setting of cement paste in the surface matrix of formed concrete and then removing it. The surface retarder is applied on the formwork to effect retardation of the surface of fresh concrete in contact with the treated forms.

### USES

Sika® Separol®-288 FD is recommended for all formed concrete where it is desired to obtain an exposed aggregate finish or a keyed surface for a superior bond with subsequently placed concrete or mortar layer. The variable depth of retardation allows considerable flexibility to architects in using different shapes and sizes of aggregate to produce attractive patterns of exposed aggregates on cast in-situ or precast panels.

### CHARACTERISTICS / ADVANTAGES

- Controlled depth of retardation - Consistent textured finish.
- Does not kill hardening process - No deleterious effect on the core concrete or the strength of the concrete mass.
- Variable depth of retardation - Scope for producing decorative patterns of exposed aggregates with different shapes and sizes of aggregates.
- Creates rough texture - Excellent bond for subsequently laid mortar or concrete layer. Avoids costly surface roughening procedures.
- Allows smooth form release - No need for a form release agent.

### PRODUCT INFORMATION

<b>Packaging</b>	25L carboys and 205L plastic lined drums
<b>Appearance / Colour</b>	Colourless, medium viscosity liquid
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.

### APPLICATION INFORMATION

- Recommended Dosage**
- The rate of application depends upon the depth of retardation desired. Sika® Separol®-288 FD applied @ 10 - 12 m<sup>2</sup>/l typically results in a depth of retardation of up to 8 mm. Greater depths of retardation are possible @ 6 - 8 m<sup>2</sup>/l.
  - Therefore material requirement is 0.1 l/m<sup>2</sup> to achieve approximately 8 mm depth of retardation.

- It is recommended that field trials be conducted at different coverage rates on the design concrete mix with site raw materials, to determine the optimum depths of penetration.
- The period of surface retardation will be reduced in hot weather and also if air voids are present between the form and concrete face. The period and the depth of retardation can be increased by increasing the rate of application of Sika® Separol®-288 FD.

---

### Dispensing

- Use Sika® Separol®-288 FD as supplied after stirring thoroughly. Ensure that the surface of formwork is clean and free from oil, grease, mould releasing agents, water, cement or other loosely adhering materials.
- Apply Sika® Separol®-288 FD at the recommended rate of application (see dosage) by brush on the inner surfaces of the formwork at least an hour before the placing of concrete. Protect the applied surface from rain or other damage.
- Avoid scouring of the treated form surfaces while using poker vibrators, and minimise the flow of concrete across the treated forms while placing and vibrating concrete.
- Strike off formwork within 48 hours of placing concrete and then immediately hose down the treated surface with medium water pressure to wash away the unset cement paste in the surface matrix. Brush away all the loosely adhering materials. Clean the form surfaces of adhering cement paste immediately after striking off. The debris thus collected should be washed away as cement paste can later set hard making it difficult to remove.

---

### Compatibility

- With high alumina and rapid hardening cements the concrete should be deshuttered within 6 - 8 hrs.
- 

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

Sika® Separol®-288 FD is non toxic but can cause irritation to persons with sensitive skin if exposed .

Safety: Wear eye protection and gloves while handling the product. Wash thoroughly after handling.

Fire: Not flammable.

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

### SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,

6 On Ping Street, Shatin, N.T., H.K.

Phone: +852 26868108

Fax: +852 26453671

Mail: marketing@hk.sika.com

Website: www.sika.com.hk



### Product Data Sheet

Sika® Separol®-288 FD

October 2024, Version 02.02

02140500000002132

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

SikaSeparol-288FD-en-HK-(10-2024)-2-2.pdf