



For the Builders  
of a Better World™

## Flow EP

Flow EP is a three part, economic, multi-purpose binder and an epoxy resin based self-levelling finish.



### FEATURES/BENEFITS

- High solid content
- Good chemical and mechanical properties
- Easy application
- Economical
- Impermeable
- Solvent-free
- Gloss finish
- Slip resistant surface possible

### USES

- Self-smoothing screed for concrete and cement screeds with normal up to medium heavy wear e.g. clean room, maintenance workshops, garages, electronic/electrical production.
- The broadcast screed system is recommended for wet process areas, e.g. in F&B Industry, food processing, maintenance hangars etc.

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd  
No. 38 Sungei Kadut Street 2 (Level 2, A3) Singapore 729245  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

- ASTM C579
- ASTM C580
- ASTM D7234
- ASTM D2240

This product has been certified by HACCP International.



**Packaging**

Part A - 10kg  
Part B - 2.5kg  
Part C - 7.5kg

**Approximate Coverage**

One set of Flow EP yield a coverage of approximate 7.4 m<sup>2</sup> at 1.5mm thick per coat

Estimated consumption of Flow EP depending on the surface absorption, roughness, loss and wastage.

**Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for twelve (12) months if stored at temperatures  $\geq 0^{\circ}\text{C}$  and  $\leq 40^{\circ}\text{C}$  in a covered area (out of the sun). Material should be kept in a cool dry place prior to application. Do not allow to freeze.

**Colors**

Refer to colour chart

\*The applied colour of the epoxy finish may differ slightly from the Standard Colour Chart. Colour tones of the fillers may reflect on the finish surface particularly for lighter tone of the epoxy finish. Please consult with Laticrete Technical Department for actual colour sample

\*Titanium grey and mighty grey hardener is different with other colours' hardener

**Cautions****FOR PROFESSIONAL USE ONLY**

- Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.
- Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 Minutes, if symptoms persist seek medical attention.
- Wear safety gloves.
- Until cured, may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Material should be kept in a cool dry place prior to application
- Product must not freeze.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

**TECHNICAL DATA****Performance Properties**

Test	Test Method	Results
Compressive Strength (7 days)	ASTM C579	$\geq 60 \text{ N/mm}^2$
Flexural Strength (7 days)	ASTM C580	$\geq 40 \text{ N/mm}^2$
Pull-Off Adhesion Strength (7 days)	ASTM D7234	$\geq 2.5 \text{ N/mm}^2$
Shore D Hardness	ASTM D2240:2015	$\geq 80\text{D}$

**Working Properties**

Wet Film Thickness	1.5-2mm
Pot Life	30 minutes
Recoat Time	12 hours
Time to Light Traffic	24 hours
Full Cure	7 days
Mixing Ratio	4 Part A; 1 Part B; 3 part C by weight

Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE South East Asia Pte Ltd. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

**INSTALLATION****Substrate Preparation**

The recommended surface temperature range during application is typically between  $5^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ . Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Weak concrete must be removed and surface defects such as blowholes and voids must be remedy with appropriate methods.

The concrete or screed substrates has to be primed or smoothen in order to achieve an even surface.

High spots must be ground by e.g. grinding

All dust, loose and friable material must be completely removed from all surfaces before application of the product, mechanical means followed by vacuum cleaning.

**Mixing**

Pre-mix the Part B till homogeneous the mix. Add the Part A into the Part B and mix for 1 -2 minutes. Add the Part C gradually into the mixing container and mixed with a helical spinner mixer for another 2 minutes till the mixture is homogeneous. Use the mixture within 30 minutes. Please note that over mixing will cause air entrainment into the mix.

**Application****Self-levelling finish**

Pour the mixed Flow EP onto the prepared surface, spread evenly by serrated trowel or notched squeegee. Followed by spike roller to remove any entrapped air within 10 mins (at 20°C).

**Anti-skid finish**

Pour the mixed Flow EP onto the prepared surface and spread evenly with the notched squeegee.

Scatter selected mesh quartz to excess whilst the material is still wet. Leave it to cure.

Remove the excess and loose particles followed by vacuum. Apply 2 coats of Guard EP onto the prepared surface.

**AVAILABILITY AND COST****Availability**

LATICRETE® materials are available worldwide. For distributor information, call:

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

Subject to the conditions and limitations stated below, LATICRETE South East Asia Pte Ltd warrants that its products will be free from manufacturing defects and will not break down or deteriorate under normal usage for a period of one (1) year from the date of purchase when installed in accordance with the written specifications of LATICRETE and industry standard guidelines.

**MAINTENANCE**

The long term performance, appearance, and life expectancy of wear surface products are critically dependence upon a good routine maintenance program designed specifically for the installed wear surface. Epoxy floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. The use of properly placed walk-off mats, inside and outside, will help increase the life of the floor. Recommend maintenance program consist on frequent and through cleaning utilizing a neutral pH cleaner (e.g. Simple Green®). Frequency of washing will vary depending on floor usage type, traffic and age.

**TECHNICAL SERVICES/ CONTACT****Technical Assistance**

Information is available by calling:

LATICRETE South East Asia Pte Ltd

No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

**Technical and safety literature**

To acquire technical and safety literature, please visit our website at [se.laticrete.com](http://se.laticrete.com)

**Disclaimer**

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at [se.laticrete.com](http://se.laticrete.com).