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 (Level 2, A3)
No. 38 Sungei Kadut, Street 2, Singapore 729245
Telephone: +65 6515 3028  Fax: +65 6515 3037
Internet: se.laticrete.com

**STANDARDS/CERTIFICATIONS**

- ASTM C579
- ASTM C580
- ASTM D7234
- ASTM C531
Packaging
Part A - 10kg
Part B - 2.5kg
Part C - 7.5kg

Approximate Coverage
One set of Flow EP yield a coverage of approximate $5m^2$ at 2mm thick per coat

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

Shelf Life
12 months unopened. Store at 5°C-30°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

<table>
<thead>
<tr>
<th>Performance Properties</th>
<th>Working Properties</th>
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</thead>
<tbody>
<tr>
<td>Wet Film Thickness</td>
<td>1.5-2mm</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30 minutes</td>
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<tr>
<td>Recoat Time</td>
<td>12 hours</td>
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<tr>
<td>Time to Light Traffic</td>
<td>24 hours</td>
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<tr>
<td>Full Cure</td>
<td>7 days</td>
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<tr>
<td>Mixing Ratio</td>
<td>4 Part A; 1 Part B; 3 part C by weight</td>
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</tbody>
</table>

Test | Test Method | Results |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM C579</td>
<td>&gt;35 N/mm²</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM C580</td>
<td>&gt;25 N/mm²</td>
</tr>
<tr>
<td>Pull-Off Adhesion Strength (28days)</td>
<td>ASTM D7234</td>
<td>&gt;2 N/mm²</td>
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</tbody>
</table>

Specifications are subject to change without notification. 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 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
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 remedied 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 whist 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.

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:

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No. 38 Sungei Kadut, Street 2,
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Technical and safety literature
To acquire technical and safety literature, please visit our website at se.laticrete.com

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

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.