

Flowfast 404 Accelerator

Flowfast 404 Accelerator is a low viscosity, yellow-brownish coloured resin solution used to accelerate the polymerization when applying MMA reactive resins.

Uses

Accelerator is used as an accelerating agent whenever it is desired to accelerate the normal curing time of Flowfast / Deckshield Rapide products at ambient temperatures between 0 °C and -20 °C or enable efficient product curing at temperatures below 0 °C . The use of Flowfast 404 Accelerator does not cause any loss in quality of the hardened Flowfast / Deckshield Rapide products; it only accelerates the start of the polymerization process and reduces most of the inhibitory influences on the curing process.

Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components. Safety Data Sheet must be read and understood before use.

Features & Benefits

- Accelerator solution & processing aid
- Enables safe curing at sub-zero temperatures

Packaging

The product is supplied in full units.

| | | |
|--------------------------|-------|--------|
| Flowfast 404 Accelerator | 10 kg | 10 ltr |
|--------------------------|-------|--------|

Standard Coverage

For detailed information please see TDS of product that Flowfast 404 Accelerator is going to be mixed with.

Characteristics (Liquid State)

| | |
|--------------------------------|--|
| Viscosity, 25°C (EN DIN 53019) | 5 mPa·s (shear rate 1500 s ⁻¹) |
| Density, 23°C (ISO 1183) | 1.0 kg/l |
| Flash Point ISO 1516) | + 11.5 °C |

Storage

| | |
|-------------|---|
| Time | 12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete. |
| Temperature | Storage temperature between 15°C and 20°C. |
| Protection | Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress. |

Usage Guidelines

For detailed information please see TDS of product that Flowfast 404 Accelerator is going to be mixed with.

Application / Pot Life

Ready-mixed product should be used within 15 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

Mixing

Prior to use, any Flowfast / Deckshield Rapide resin must be carefully stirred to achieve a uniform distribution of paraffin contained in the product.

Flowfast / Deckshield Rapide resin is thoroughly mixed with the Flowfast 404 Accelerator.

For safety reasons, it is essential that Flowfast 404 Accelerator never comes into direct contact with the Flowfast Catalyst Peroxan BPPLvr. Keep them stored separately at jobsite.

Flowfast 404 Accelerator must be added and stirred thoroughly into the reactive resin prior to adding the Flowfast Catalyst Peroxan BPPLvr and fillers. The quantity of Flowfast 404 Accelerator added depends on the ambient temperature.

We recommend that curing tests are conducted to determine the optimum quantity to be used. Flowfast 404 Accelerator should be measured out using a measuring cylinder or a balance (1 mL = 1 g).

Depending on sealer, thickness, and ambient conditions the addition of Flowfast 404 Accelerator might cause a yellow discoloration.

For clear sealers on light colored coatings, we recommend small application trials with different amounts of Flowfast 404 Accelerator and Flowfast Catalyst Peroxan BPPLvr, to find out the optimal balance between proper curing and color fastness.

Accelerator Addition Rates

Flowfast / Deckshield Rapide Primers

| Temperature | % by Weight | ml/kg of Resin |
|-------------|-------------|----------------|
| 0°C | 0.7% | 7 |
| -10°C | 1.4% | 14 |
| -15°C | 2.1% | 21 |
| -20°C | 2.8% | 28 |

Flowfast / Deckshield Rapide Bodycoats & Sealers

| Temperature | % by Weight | ml/kg of Resin |
|-------------|-------------|----------------|
| -10°C | 1.05% | 10.5 |
| -15°C | 1.4% | 14 |
| -20°C | 2.1% | 21 |

Flowfast / Deckshield Rapide Membranes

| Temperature | % by Weight | ml/kg of Resin |
|-------------|-------------|----------------|
| 0°C | 0.5% | 5 |
| -10°C | 1.2% | 12 |
| -15°C | 1.5% | 15 |
| -20°C | 2.0% | 20 |

Cleaning

Tools and equipment can be cleaned with Flowfast 405 Cleaner or Solvents (MEK/ Acetone) immediately after application, cured remains can be removed only by mechanical means. Please refer to SDS when using solvents.

Additional Notes

1. The product has reached full chemical cure after 2-3 days at 20°C.
2. The applied colours may differ from the examples shown.
3. Tremco CPG Australia Pty Ltd [Tremco CPG] assumes no responsibility for the application of incorrect colour.
4. It is the applicators responsibility to verify accuracy of colour prior to application. Tremco CPG does not bear any responsibility or accept claims for incorrect colour after application of material.

5. Do not cover or wash within the first 2 hours of curing at 20°C.
6. This system should be installed at 3°C above the dew point.
7. Please ensure application temperature and RH limits are followed.
8. Wind or strong airflow may cause quick curing and drying of the system.
9. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
10. Whilst the product is low in VOC (<140 g/L complying with Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V1.2-12.1.1B) this product will emit a discernible odour during application.
11. In closed rooms a forced ventilation with at least 7-fold air exchange per hour is recommended. To provide for outside these conditions, please contact our Technical Service.
12. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
13. A permanent hot water loading can result in a white discoloration of the Flowfast 319 Flexible Seal sealer. Hot water causes thermal tensions, that can lead to crackle cracks. Therefore, where Flowfast 319 Flexible Seal is used in areas of hot water loading, always gather waste or flowing water (particularly hot water) into channels and convey it into a proper drainage system. Provide for enough gullies.
14. Tremco CPG warrants all goods to be free from defects and will replace materials proven to be defective but makes no warranty as to appearance of colour. The information and recommendations herein are believed by Tremco CPG to be accurate and reliable. Do not cover or wash within the first 2 hours of curing at 20°C.