

# CRACKFILL POWDER

Crack-Filling Powder

ASTRAL

# TRUBUILD™

## TECHNICAL DATA SHEET VER NO. N.1

**TRUBUILD CRACKFILL POWDER** (formerly known as CFP-525) is a cement-based, polymer modified powder material for filling cracks in plastered surfaces. It is composed of cement, selected aggregates, polymer & additives which requires on site addition of water only. Cracks filled with Trubuild Crackfill Powder enhance the subsequent paints' quality and life.

### FEATURES & ADVANTAGES



**STRONG ADHESION**



**EASY TO USE**



**REDUCES PAINT CONSUMPTION**



**ON-SITE ADDITION OF WATER**

- Adhesion - Strong adhesion to common building substrates
- Easy to use - It is a do it yourself product & requires only on-site addition of water
- Requires only addition of water on - site at the time of usage
- As a surface leveller before painting, it reduces paint consumption and increases the life of the paint making it economical

### AREAS OF APPLICATION



- To fill static cracks of 3 to 5 mm.
- To level undulation on unplastered or plastered ceilings and walls prior to painting.
- To provide smooth finish to brick, stone, and concrete

### PACKAGING



### METHOD OF APPLICATION

- Ensure the joints edges are neat and sound. Make sure that the surface is clean & free from standing water. The surface should be free of loose debris.
- Contaminations of oil, grease or bitumen should be completely cleaned.
- Under normal conditions, Trubuild Crackfill Powder does not require a primer. However, in critical areas water based acrylic or SBR based primer can be used depending on the severity of surface and application.
- Mixing ratio of Trubuild Crackfill Powder to water varies with respect to area of application.
- For filling deep holes and cracks, reduce the water quantity to get a thicker pasty consistency.
- The final mixed product would be a paste of dough consistency. In case further soft consistency is required, measured quantity of water can be used.

### APPLICATION

- **For crack filling** – Fill the mixed paste into the crack by spatula or putty knife blade. Fill excess material and tool it by putty knife blade pressing against crack so that air voids get filled. By wet finger tool the surface of material in to a concave nature by pressing against joint edges.
- **For surface levelling** – The mixed smooth paste should be applied by painter blade on the dampened wall or ceiling. The material should be applied in the desired thickness in a bottom- to -up fashion to avoid blade marks. For multiple coat applications, the previous coat should be allowed to cure for minimum 6 hrs. The subsequent coat should be at the right angle to the previous coat.

### TECHNICAL PROPERTIES

| S.NO. | PROPERTIES                | UNIT     | RESULTS          | METHOD           |
|-------|---------------------------|----------|------------------|------------------|
| 1.    | Appearance                | Visual   | Off white powder | -                |
| 2.    | Colour                    | Visual   | Off white        | -                |
| 3.    | Setting time              | Hrs: min | 3:10             | -                |
| 4.    | Bulk density              | g/cc     | 1.44             | ASTM D 7481-18   |
| 5.    | Pot life                  | Minutes  | 20               | ISO 13007-3-2010 |
| 6.    | Tack free time            | Minutes  | 40               | ASTM C 679-2015  |
| 7.    | Dry shrinkage             | %        | 0.002            | ASTM C 157-2017  |
| 8.    | Pull off adhesion         | N/mm2    | 0.44             | ASTM D 7234-2021 |
| 9.    | Water absorption @ 15 min | ml       | 1.2              | Karsten tube     |
| 10.   | Water absorption @ 30 min | ml       | 3.6              |                  |
| 11.   | Water absorption @ 60 min | ml       | 5.5              |                  |
| 12.   | Water absorption @ 4 hrs. | ml       | 9.6              |                  |
| 13.   | Mix density               | g/cc     | 1.52             | -                |

### HANDLING PRECAUTIONS

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing, physical, ecological, toxicological and other safety related data.

### PRECAUTION & LIMITATION

- Do not apply for cracks of more than 5 mm width.
- Do not apply on wet surfaces. Meant for plaster cracks.
- Not for application in cracks of structural members, expansion joints & separation gaps.
- Not for cracks in POP or painter's putty.
- For application below 10°C, drying time will be delayed.
- Container to be tightly closed after application.

### CLEANING

Application equipment should be thoroughly cleaned with water after application.

### RESTRICTION IN USE

- Trubuild Crackfill Powder is for static joint filling only. It is suitable for cracks less than 5mm width.
- It does not accommodate any movements and thus it is not suitable for dynamic cracks.
- For outside use, Trubuild Crackfill Powder must be coated over with exterior paint to prevent water penetration.

### COVERAGE

37.5 running meter per kg (for a depth & width of 5 mm)

### SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing under unopened conditions. Store in a cool & dry place, away from sun heat.

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