



Technical Data Sheet

BC SPATTER DASH RF Cementitious Scratch Coat

1. Product Description

BC Spatter Dash RF is a high-performance, cementitious scratch coat designed to act as a plaster bonding key on smooth and dense substrates. It is composed of hydraulic binders, selected graded sand aggregates, and special high-performance additives to enhance adhesion and mechanical keying.

BC Spatter Dash RF is supplied as a dry, pre-blended powder and requires only the addition of clean water on site to produce a sprayable or manually applicable mortar.

2. Typical Applications

- Scratch coat for cement plaster systems
- Plaster bond enhancer and mechanical key
- Block walls
- Fair-faced concrete
- Precast concrete panels
- Vertical, horizontal, and ceiling applications
- Internal and external plaster preparation

3. Key Advantages

- Factory-controlled pre-blended material for consistent quality
- Requires only water addition on site
- Excellent adhesion to a wide range of substrates
- Can be applied manually or by spray machine
- Suitable for humid and dry climatic conditions
- Suitable for vertical and overhead applications
- Improves plaster bond and reduces delamination risk



4. Technical Data

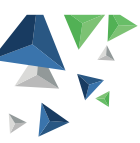
| Property | Unit | Typical Value | Test Method |
|--------------------------------|-------------------|----------------------|-------------|
| Appearance | – | Grey granular powder | Visual |
| Maximum Aggregate Size | mm | Up to 2.4 | Internal |
| Wet Density | kg/L | ~1.8 | Internal |
| Application Thickness | mm | 4 – 6 (rough finish) | Internal |
| Pot Life | minutes | ~60 | Internal |
| Setting Time | hours | 3 – 5 | Internal |
| Compressive Strength (28 days) | N/mm ² | > 18 | ASTM C109 |
| Flexural Strength (28 days) | N/mm ² | ≥ 3.5 | ASTM C348 |
| Bond Strength (28 days) | N/mm ² | > 0.6 | EN 1015-12 |
| Reaction to Fire | – | Non-flammable | EN 13501-1 |

5. Application Instructions

Surface Preparation

- Substrate must be sound, clean, and free from dust, grease, oil, curing compounds, and loose materials
- Thoroughly dampen the surface with clean potable water prior to application
- Surface must be in a saturated surface-dry (SSD) condition during application





Mixing

- Add 11.5 – 14.0 liters of clean water per 50 kg bag
- Add powder gradually to water
- Mix using a mechanical mixer or low-speed drill with paddle for 3–4 minutes until a homogeneous, lump-free consistency is achieved
- For small quantities, manual mixing is permitted

6). Application

- Apply BC Spatter Dash RF preferably in a single coat
- Recommended thickness: 4 – 6 mm
- Application methods:
 - Mechanical spray machine
 - Manual spatter machine
 - Hawk & trowel
- Ensure 95–100% surface coverage of areas to be plastered
- Allow applied material to remain undisturbed for minimum 48 hours before plastering

7. Curing

- Cure by spraying clean water every 12 hours
- Minimum curing period: 3 days
- In hot and dry conditions, curing should continue for at least 5 days
- Proper curing improves mechanical strength and minimizes surface cracking

8. Cleaning

- Clean tools and equipment immediately with water before material hardens
- Hardened material must be removed mechanically

9. Packaging & Coverage

| Product | Packing | Coverage |
|--------------------|-----------|--|
| BC Spatter Dash RF | 50 kg bag | Approx. 1.3 – 1.6 kg/m ² per mm thickness |

Actual coverage depends on substrate condition, application method, and wastage.



10. Storage & Shelf Life

- Store in original, unopened bags
- Keep clear of ground in a dry, shaded area
- Storage temperature: 5°C – 35°C
- Shelf life: 12 months from date of manufacture

11. Limitations

- Do not mix with other additives unless approved
- Do not apply under direct rain or strong winds
- Do not apply at temperatures below +5°C
- Always test suitability on a sample area when in doubt

12. Health & Safety

- Product is highly alkaline
- Avoid contact with skin and eyes
- Wear protective gloves, goggles, and appropriate clothing
- Wash skin with soap and water after contact
- In case of eye contact, rinse immediately with plenty of clean water and seek medical advice
- Refer to the Safety Data Sheet (SDS) for full safety information

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

