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/mm²	> 18	ASTM C109
Flexural Strength (28 days)	N/mm²	≥ 3.5	ASTM C348
Bond Strength (28 days)	N/mm²	> 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/m² 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