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# ST-DC

## Dashcrete

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**Prebatched in ISO9001 certified factory**

**Stringent quality control in material proportions**

**Single component, without the need of site batching**

**Enhance site tidiness by relieve of handling sand pile**

**Easy and convenient for storage**

**Cost effective and less wastage**

**High productivity, less labour intensive**

**Strong adhesion to substrate, reduce the risk of debonding**

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### PRODUCT DESCRIPTION

ST-DC is a factory manufactured pre-bagged polymer modified cement sand mortar tailor-designed for spatterdash and bond coat mortar application when mixing with Score Tech Supreme Primer (ST-SP).

Spatterdash or bond coat mortar made of ST-DC provides robust mechanical keys on substrate surface (e.g., concrete, block/dry walls, etc.) for receiving plaster/render or other covering materials. Comparing with conventional site batched process, ST-DC does not only offer a better quality control in cement-sand-latex proportions but also provides larger convenience in materials storage and avoids wastage and environmental impact of bulk materials handling on site.

### AREAS OF APPLICATION

- Spatterdash/bond coat mortar
- Surface treatment on unfavourable substrate surface
- Consult Ardex Scoretech staff for other applications

### SUBSTRATE PREPARATION

The substrate must be sound, even, clean and free from loose particles, grease and any other contaminants. The substrate surface shall be moistened overnight and at the time before application. No stagnant or apparent water is allowed on the substrate surface before application.

### INSTALLATION

1. Mix ST-DC with ST-SP and water in the recommended proportions with an electric mixer to a uniform slurry.
2. Spatterdash:  
Apply spatterdash to the substrate surface in a usual way with a spatterdash spreader or other suitable tools
3. Bond Coat Mortar:  
Use a brush or roller to evenly apply the mixed ST-DC to the base surface and ensure full coverage.

### CURING

Natural air curing is normally adequate for ST-DC. Under exterior environment or unfavourable conditions, water curing is recommended to ensure ST-DC achieves the best performance.

### PACKAGE

40 kg bag

### SHELF LIFE

ST-DC has a shelf life of 12 months if well-kept in dry condition on lifted floor.

### HEALTH & SAFETY

A qualified mask or equivalent personal protective equipment must be worn when handling this product. This product is non-toxic and does not contain harmful substances but may cause allergies or irritation to eyes and skin. If it accidentally comes into contact with eyes, rinse immediately with plenty of water and seek for medication.

### REFERENCE STANDARDS

- Hong Kong Standard (HKS)  
HKHA MTS Spec. Part D

### MIXING RATIO FOR DIFFERENT APPLICATION PURPOSES

| APPLICATION      |            | MIXING RATIO |         |         |
|------------------|------------|--------------|---------|---------|
|                  |            | ST-SP        | Water*  | ST-DC   |
| Spatterdash      | By volume  | ~3L          | ~7.5L   | 1bag    |
|                  | By weight  | ~3kg         | ~7.5 kg | 40kg    |
|                  | By package | 1 pail 20kg  | ~50L    | ~6.5bag |
| Bond Coat Mortar | By volume  | ~7L          | ~4L     | 1bag    |
|                  | By weight  | ~7kg         | ~4kg    | 40kg    |
|                  | By package | 1 pail 20kg  | ~12L    | ~3bag   |

\*The quantity of ST-DC and water stated above is for reference only. The actual quantity of water may slightly vary subject to the actual site condition, environmental factors and workmanship needs.

### PRODUCT INFORMATION

|                    |  |
|--------------------|--|
| Colour             | Grey   |
| Maximum Grain Size | 3.2 mm   |
| Density            | ~ 1800 – 2000 kg/m <sup>3</sup>  |
| Coverage           | Spatterdash: ~120 – 340 m <sup>2</sup> /package<br>Bond coat mortar: ~60 – 120 m <sup>2</sup> /package |
| Pot Life           | ~ 1 – 2 hours  |

### PRODUCT PERFORMANCE

| Performance                          | Test Standard                               | Result                 |                        |
|--------------------------------------|---|------------------------|------------------------|
|                                      |   | Spatterdash            | Bond Coat Mortar       |
| Compressive Strength at 28 days      | HKHA MTS Spec. Part D, Cl.2.1.1 & BS 6319-2 | ≥ 30 N/mm <sup>2</sup> | ≥ 30 N/mm <sup>2</sup> |
| Flexural Strength at 28 days         | HKHA MTS Spec. Part D, Cl.2.1.2 & BS 6319-3 | ≥ 6 N/mm <sup>2</sup>  | ≥ 6 N/mm <sup>2</sup>  |
| Tensile Adhesion Strength at 28 days | HKHA MTS Spec. Part D, Cl.2.1.15            | ≥ 2 N/mm <sup>2</sup>  | ≥ 2 N/mm <sup>2</sup>  |

\* Note: The test standards for the product performance stated above refer to laboratory test only.

### DISCLAIMER

As the application condition may vary from site to site and may not be identical to the same condition under which the parameters in the brochure are drawn. The information provided in this Technical Data Sheet is for general guidance only. Warranty will not be given to the ultimate performance and application results of this material when the material is not kept, mixed, applied or cured strictly in accordance with the requirements and/or instructions listed out in this brochure or in any other supplementary document.