

SPRAYCRETE 40AA/MF

A highly accelerated, pre-blended dry spray applied repair material incorporating stainless steel fibres.

THE PRODUCT

A blend of quality assured ingredients including Portland Cement (to BS EN 197-1), selected pulverised fuel ash (to BS EN 450-2), chloride free accelerator, microsilica and crushed and graded fillers up to 2.8mm.

TECHNICAL PERFORMANCE

Typical compressive strengths (N/mm²)

| 4 Hrs | 12 Hrs | 24 Hrs | 3 Days | 7 Days | 28 Days |
|-------|--------|--------|--------|--------|---------|
| 2.5 | 15.0 | 20.0 | 27.0 | 35.0 | 47.0 |

YIELD

To produce one cubic metre of sprayed concrete, allowing for site wastage and depending upon the application, typically between 2.2 tonnes and 2.7 tonnes of Spraycrete would be required.

PREPARATION

Prior to spraying, the receiving surface should be thoroughly clean and dust free. High pressure jet washing to remove any unstable material is recommended followed by grit blasting or prescabbled.

Ideally, any concrete substrate should be wetted prior to application, or a suitable concrete primer should be used for more permeable concrete substrates.

PACKAGING & STORAGE

Spraycrete products are supplied in 20Kg, plastic bags, palletised and shrink wrapped.

The material should be stored clear of the ground, sheeted and preferably under cover. The pallets should not be stacked more than two high with the material being used on a first in, first out basis.

The shelf life of all products is 8 weeks if supplied in paper sacks and stored correctly, and 12 months if stored in plastic sacks.

HEALTH & SAFETY

Cement powder when mixed with water releases Alkali which may cause skin and eye irritation. We therefore advise the use of barrier creams, gloves and protective eyewear as a precaution when using these products.

A further detailed Health and Safety Data Sheet for this product is available on request.

QUALITY

All Reader products are tested in accordance with specific procedures to ensure compliance to specification prior to despatch and are subject to the controls of a BS EN ISO 9001 : 2008 approved quality system.

WATER

Spraycrete should be mixed using potable water which complies with BS EN 1008, as for conventional concrete and mortar.



APPLICATIONS

- Ground stabilisation
- Rail tunnel repairs
- Dock and sea defence work
- Rock face stabilisation
- Water retaining structures
- Concrete & masonry repairs
- Prevention of water ingress

