



The Chemical Company

Application instructions

Substrate preparation

The surfaces to be rendered must be structurally sound and clean. Remove all traces of form work release agents, grease, dust, laitance, organic growth and all other contaminants that may affect the bond adversely.

Voids more than 20 mm in depth should be repaired with a suitable EMACO® NANOCRETE repair mortar.

Blowholes or cavities up to 5mm in depth can be filled with EMACO S90 in a single application.
Treat exposed steel with one coat of EMACO NANOCRETE AP primer.

Saturate the substrate with water and remove all excess water, before placing EMACO S90.

Mixing / liquid demand

Trowel application

4.0 – 4.5 litres of water per 25 kg powder

Spray application

4.0 – 5.0 litres of water per 25 kg powder

Mechanical mixing

Gradually add the powder to the water and mix in a clean container using a suitable mixing paddle in a slow-speed drill (400-600rpm). Mix until a lump free, thixotropic render consistency is obtained.

Pot life

At +20°C, the mortar must be applied within 60 minutes from mixing.

At +30°C, the time available is 20 – 30 minutes.

Application

Trowel application

Apply a scratch coat as a bonding layer and continue to build up in layers wet-on-wet, to a total thickness of 5 mm.

Spray Application

Start with a very thin spray-applied bonding layer and continue to build up wet-on-wet, to a total thickness of 5 mm.

If EMACO S90 is applied as a cosmetic finish where there is no requirement to resist water pressure, the total layer thickness can be a minimum of 2 mm.

For thicknesses in excess of 5 mm, please consult your BASF Construction Chemicals (UK) Ltd representative.

Curing

Care should always be taken to prevent the freshly applied EMACO S90 from fast drying, by fog spraying or the application of a water based curing compound. Setting and hardening times will vary, dependent on ambient conditions.

There may be some slight colour difference between batches of product in the cured state. This should be taken into account when planning the application.

It is not recommended to apply EMACO S90 at temperatures less than +5°C and exceeding +30°C.

Avoid applying in direct sunlight .

Clean up and spillages

Mixing and application equipment should be cleaned immediately with clean water.

Non hardened material may simply be removed with water.

Coverage

One 25 kg bag yields approximately 16 litres of mortar. One 25 kg bag will cover approximately 4m² at 4mm thick.

Packaging

EMACO S90 is packaged in 25 kg moisture resistant bags.

Storage

EMACO S90 should be stored under cover, clear of the ground and stacked not more than 6 bags high. Protect the materials from all sources of moisture and frost.

Shelf Life

Rotate stock in order not to exceed the shelf life of 6 months.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.