



KEM SUPLAST 4 A

Quick setting Waterproofing Admixture

Ref. CA/SP-V1-0412

Description

KEM SUPLAST 4A is a quick setting waterproofing liquid admixture for Portland cement based mortar.

Uses

- KEM SUPLAST 4 A is used for surface waterproofing against water infiltrations in porous rock or concrete as well as for cracks and joints through which water infiltrates.
- For use in building construction and civil engineering, in particular where dry conditions are required for the following permanent waterproofing operations.
- KEM SUPLAST 4 A can also be used in quick setting mortar for assembly work, eg. fixing climbing irons, rag bolts, pipe supports, bolts, anchorages, repair work etc.

Advantages

- Accelerates setting of Portland cement.
- Chloride free.
- Does not corrode steel.
- Non-flammable.

Typical Properties

Appearance	: Clear liquid.
Density	: 1.25 kg / litre (Approx.)
pH value	: 11 to 14
Cl⁻ content	: Nil
So₄²⁻ content	: Nil

Direction for use

Methods of application may vary depending on the type of mortar mix and actual use. Following examples are for guideline purpose only :

1. Preparation

Substrates must be clean and sound. Remove all loose matter and any traces of oil, grease, laitance, paint, form release agents, curing membranes etc.

Mineral substrates must be saturated with water but surface dry (SSD condition) prior to the application of a KEM SUPLAST 4A modified mortar or cement paste.

2. Sealing moderate water leakages and seepage.

Prepare a Portland cement paste with KEM SUPLAST 4A diluted in water at 1:0.5 to 1:4. Apply firmly with gloved hand or trowel over the whole surface subject to seepage. Allow the KEM SUPLAST 4A modified paste to harden prior to covering with a permanent waterproofing renders or shotcreting.

3. Sealing severe water leakages where water pressure is high.

Apply KEM SUPLAST 4A cement paste, in such a way that the water is concentrated at the points of strongest leakage area.

Insert short lengths of plastic tube into these points and secure them with KEM SUPLAST 4A cement paste, then complete the preliminary waterproofing with KEM SUPLAST 4 A cement mix. The discharge pipes prevent the surrounding mortar from getting in contact with flowing water during setting and hardening. The application of the permanent waterproofing, can commence as soon as the KEM SUPLAST 4 A mortar has hardened sufficiently (usually 8-16 hours). The short lengths of plastic tube shall be removed after the surrounding permanent water proofing render has sufficiently hardened. It generally takes 24 – 48 hrs. The holes then shall be plugged using Cement: Kem Suplast 4 A paste. Apply a final coat of the permanent waterproofing render ensuring that the plugged areas have good coverage.

Packaging

Supplied in 30 kg

Storage and Shelf life

Stored in the original sealed containers, within the temperature range of +5°C and +35°C, this product will keep for a minimum of 3 years.

Technical Service

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.



Safety precautions

- CAUTION: KEM SUPPLAST 4 A is caustic.
- Avoid contact with the skin, eyes and avoid breathing its vapour directly.
- Wear protective gloves and eye glasses when mixing or using.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do NOT induce vomiting. Give plenty of water to drink & seek medical advise.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly.
- If it enter eyes, hold eyes open, flush with water for at least 15 minutes and seek medical advise.

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