Adotard MF / Pro

Technical Specifications

Concrete Surface Retarder for Mould Face Treatment

Adotard MF and MF Pro provides an exposed aggregate finish for concrete as an attractive architectural feature or as a key for subsequent pours or renders. ADOTARD-MF / PRO used for application to mould face prior to placing of concrete. ADOTARD-MF / PRO is an pale blue coloured latex emulsion paint. Adotard MF Pro is a more concentrated version & will expose a greater aggregate depth over the same time period

Advantages

- Adheres firmly to mould face so that it is not displaced during placing of concrete thus avoiding non-retarded patches
- Weather resistant
- Has extended retardation period enabling main body of concrete to achieve higher strength before mould is stripped.
- Suitable for use on heated moulds.
- Ideal for use where clean demarcation is required between fair face and exposed aggregate finish on same unit.
- No VOC's
- Will not discolour concrete
- Will retard but not kill set of cement therefore accidental contact with reinforcement will not impair bond of reinforcement to concrete.

Application

Best results are achieved on a mould face that is clean, dry and free of any deposits, with uniform absorbency. To facilitate cleaning of mould after stripping it is recommended that a very light mist coat of ADOLEASE or SAFELEASE Concrete Chemical Release Agent be applied to the mould face and allowed to dry thoroughly before application of ADOTARD-MF/ PRO. It is possible that on prolonged storage partial separation of the emulsion constituents may have occurred; therefore it is advisable to lightly stir the material before use. Apply thinly and uniformly by brush or roller in temperatures above freezing and allow to dry and set firm before placing concrete. Time for this is a minimum of 40 minutes or so, dependent upon factors such as temperature and wind which influence rate of evaporation of solvents. Drying overnight is also suitable. After treatment protect from contact with moisture until placing of concrete.

On horizontal pours the concrete should be placed evenly across the surface. If the concrete is poured from one end only and moved across the face a heavy scouring action results which could remove the retarder from the mould face. On vertical pours the mould face should be protected from concrete splashes. This is best achieved by use of a tremie or a sheet placed in the mould and withdrawn gradually as level of concrete rises. Time before stripping is dependent upon the numerous factors which affect the rate of hardening of concrete. In general stripping should be within 1-2 days. For longer periods or where an accelerated method of hardening is adopted tests should first be made on trial panels to establish the optimum stripping time.

Removal of Retarded Matrix: Contact with the air stiffens the surface sand/cement matrix. Therefore removal of the matrix should be as soon as possible after stripping of mould. The stiffening factor can be used to reduce depth of aggregate exposure by delaying removal of matrix for a length of period established by trials. Removal of retarded matrix should be by low pressure water jetting and brooming or wire brushing in two directions at right angles to each other.

Coverage

A coverage of approximately 5-10 m² per litre will generally be sufficient . If a heavier single coating is applied it may not dry and set firm sufficiently due to entrapped moisture/water.

Storage

Protect from frost.

Shelf Life

12 months from date of manufacture. Mix well before use every time.

Specification

Adotard MF/MF Pro is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

Non Hazardous but avoid ingestion, contact with skin or eyes and prolonged inhalation of vapour. In the event of skin irritation wash affected area thoroughly. If ingested seek medical attention without delay. In the event of eye contact irrigate immediately with copious quantities of clean water and seek medical attention without delay should irritation persist.

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