

CM-700wp



CEMENT MODIFIER

PRODUCT DESCRIPTION:

Obaproof CM-700wp cement modifier is belonged to the copolymer of styrene, being modified from MMA, and butadiene, Obaproof CM-700wp is environmentally friendly and low VOC material. When added into cement and mortar, it will permeate into the gap between cement and aggregate to fulfill its function of filling pore space, that will create finer texture in cement and mortar and further enhance waterproofing and durability for cement and mortar. Plastering on the surface of engineering cement, it not only adhere firmly with concrete, but also can protect concrete from the osmosis of water contents and to avoid the corrosion of reinforcement and aging of the cement. Application on the joint between new and old cement can cure the light powder dust on the construction surface and further enable the film adhesion between the waterproof layer and construction surface so as to enhance the adhesive strength for the waterproof material.

USES:

Obaproof CM-700wp is for higher strength floor screeds and improved flexibility and resistance to cracking. Obaproof CM-700wp also can be used as a bonding agent between new and old concrete.

Areas of application include:

- Waterproofing primer
- Manhole liners
- Repair mortar
- New and old concrete bonding agent
- Multi-purpose adhesive
- Bonding agent
- Angle fillets

ADVANTAGES:

- Low VOC
- Environmentally Friendly
- Good mechanical and chemical properties
- Strengthen the water resistance, anti-impact, and water resistance for cement and mortar, and further enhance its anti-slip and anti-bending features
- Enable the filling element with good compatibility and dispersibility
- Low bubbling
- Less dusting
- Superb adhesive strength
- Can be apply directly on damp or wet surfaces
- Anti-freezing
- Non-toxic

- Flexural strength
- Ultimate adhesive strength
- Impermeability
- Improved concrete properties
- Non-corrosive
- Compressive strength
- Non-flammable

TECHNICAL & PHYSICAL DATA:

• Form	Liquid
• Appearance	White
• Density (kg/Ltr)	1.01
• Solids content (%)	> 45
• Application Temperature	Minimum 5°C
• Mixing Ratio : CM-700wp : Water	1 : 3
• Chemical Resistance (10% HCOOH, 60°C, 24 hrs)	No change on the surface of the sample
• Shelf Life	1 year when unopened and undamaged
• Storage Condition	Store in a dry cool place
• Packaging	4kg & 18kg pail

IMPORTANT NOTICE:

Minimum ambient and substrate temperature is 5°C.

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Green Label Test Data

Heavy Metals :

(EPA 3025 / EPA 6010B : ICP)

a. Cadmium (Cd)	Not Detected
b. Lead (Pd)	Not Detected
c. Total Chromium (Cr)	Not Detected
d. Mercury (Hg)	Not Detected

Volatile Organic Compounds 17.67
(ISO 11890-2) (g/L)

Total Halogenated Organic Solvent (ISO 11890-2) (%) Not Detected

Total Aromatic Organic Solvent (ISO 11890-2) (%) Not Detected

Epichlorohydrin (ISO 11890-2) (%) Not Detected

N-Methyl Pyrrolidinone (ISO 11890-2) (%) Not Detected

Formaldehyde (High Performance Liquid Chromatography) (%) Not Detected

Alkyl Phenol Ethoxylate (LCMS-MS) (%) Not Detected

Flash Point o (ASTM D3828-07a) (C) >61

INSTRUCTION FOR USE

SURFACE PREPARATION

All the surfaces must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly.

APPLICATION

Use Obaproof CM-700wp for quality modification of cement and mortar. Obaproof CM-700wp is suitable for modification of mortar. Under the hydrolysis medium, the emulsion is belonged to a stable dispersed polymer. When use, the said emulsion can improve the combined characteristics of the softness with mortar. Add Obaproof CM-700wp into mortar, which is softened first and then cured, and then becomes hard, wear resistance, and anti-bending as a durable substance.

BONDING AGENT / PRIMER

Dilute 1 portion of Obaproof CM-700wp permeable primer with 3 portions of clean water and then plaster directly to the surface to be waterproofed, in order to improve the bonding strength.

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Patching, repair mortar and render.
Cement: 50kg • Sand: 150kg •
Obaproof CM-700wp: 5kg • Water: 15kg

CLEANING

Tools and equipment just can be clean with clean water immediately, after use.

SAFETY

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate

