

CEMENFORTIS

SURFACE HARDENER – WATERPROOFER – ACID RESISTOR FOR CONCRETE, PLASTER, ARTIFICIAL AND NATURAL STONE

Description:

Cemenfortis combines chemically with the free lime of the cement and with the particles of silica in the aggregate forming hydrated calcic-silicate. By using Cemenfortis the voids in ordinary cement compounds are filled with this special cement solution. The whole mass crystallises at the same time integrally, forming a hard, insoluble mass. It has the effect of rendering the concrete, in all kinds of masonry; impervious to water, moisture, frost, oils, acids, etc. It excites and brings into service all the cohesive properties of Portland Cement, which in themselves, are the most efficient waterproofing mediums.

Primary Use:

Concrete, as such, presents a porous, relatively soft, rough surface of uneven density, which easily wears down. The constant daily abrasions of footwear, truck wheels or sweepers crush and knock off the aggregate particles of the concrete surface, causing fine, objectionable dust. For this reason architects and engineers are increasingly specifying that new concrete floors be treated with Cemenfortis before plant is installed and the floor put into service.

Cemenfortis binds every particle in the upper layer of concrete and by quick chemical action creates a new granite-like, non-dusting surface.

Such dust from untreated floors is hard on machinery and damages stock.

Disastrous effects arising from a concrete floor that has started to disintegrate are so great and so far-reaching that immediate and drastic action is called for. Don't allow your floors to deteriorate to that stage. Treat with Cemenfortis as soon as possible.

Typical Applications:

Concrete walls once treated with Cemenfortis are made impervious to smoke, discolouration, moisture, acid, fumes and algae growth. Treated surfaces are also more resistant to graffiti making it much easier to remove.

Industrial Floors:

Treat new concrete floors in industrial buildings while the concrete is "green", to obtain maximum hardening, preventing "dusting-up" and ensure long trouble free life. Treat existing floors subject to hard wear before they begin to break up. Floors treated with Cemenfortis may be used immediately after they dry off (usually a few hours), but the hardening process goes on for a long time. Floors treated have been found under tests, to have continued to harden until they become granite-like.

Iron and Steel:

If treated with Cemenfortis the iron and steel are preserved from rusting and their life increased. For reinforced concrete all the reinforcing metal should be coated with it first, especially in hot, damp climates as it assists the bond between the metal and concrete.

Application:

For permanently waterproofing, hardening, rendering highly resistant to all acids, and preventing discolouration and Algae growth on concrete walls, floors, reservoirs, swimming baths, tanks, etc.

New Work:

- a) Apply the first coat of neat Cemenfortis after 24 hours, or as soon as firm enough to walk on. GIVE THE WORK ALL IT WILL ABSORB
- b) The day following apply the second coat of neat Cemenfortis. Apply to the surface with watering can or spray and brush well in. GIVE THE WORK ALL IT WILL ABSORB.

Existing Work:

1. The surface to be treated must be thoroughly cleaned and all foreign matter removed.
2. Fill in cracks (after V-grooving) hollows or holes (after chipping) with a good sand-cement mix, containing one part of Cemenfortis to eight of water.
3. The first application of neat Cemenfortis to be followed by the second coat – also neat – approximately 24 hours later. (If the concrete is very dirty, use half cemenfortis and half water for first coat only).

Integral use:

Where foundations, floors or walls are subject to heavy water pressure or attack from Acids – as may be found in freezing works, dairy factories and milking sheds – in the mass concrete, use 1 part of Cemenfortis to 10/15 parts of gauging water, according to the severity of the conditions. In such cases, the usual surface treatments must not be omitted.

Coverage:

Coverage will vary according to the porosity of the surface. Generally eight square metres per litre will give one application.

Watch Points:

- Do not apply Cemenfortis to outside work during rain or if the surface to be treated is wet.
- CEMENFORTIS IS EQUALLY EFFECTIVE ON ARTIFICIAL OR NATURAL STONE, BRICK WORK AND STUCCO. It should be noted that used on Brick Work, Cemenfortis leaves a slight white deposit on the surface.
- It is essential that all oil, grease, or foreign matter be removed before applying Cemenfortis.
- Oil, grease, bitumen, paint, etc., can be quickly removed by a solution of “Basol 88” crystals and hot water, used as directed.

Brushes should be clean and free from any greasy substance.

- When Cemenfortis is applied adjacent to windows they should be protected from splashes, as, if Cemenfortis is allowed to set on the pane it cannot be removed. This caution also applies to paintwork. Any Cemenfortis accidentally splashed on should be removed while it is still wet.
- When applying Cemenfortis to factory floors and driveways that have been finished with a powder float, care should be taken to ensure that no puddles of excess Cemenfortis are left to dry out. These will leave a white deposit that will be unsightly and hard to remove.
- Cemenfortis must be applied direct to the concrete. Therefore its use over lime washes, oil paints, etc., is not recommended.

Cleaning:

Spray guns, brushes and container should be thoroughly cleaned immediately after use with water.

Packaging:

Cemenfortis is available in 5, 20 and 200 litre containers.

Storage:

Will freeze but can be reconstituted by stirring after thawing.

AGITATE WELL BEFORE USE