

# Strongcoat Primer ML

Epoxy resin based primer for Quickmast 350ML/MLS



## Description

Strongcoat Primer ML is a clear high performance solvent free epoxy primer designed to improve adhesion of Quickmast 350ML/MLS on concrete and steel substrates.

## Applications

Strongcoat Primer ML is used as a prime coat to improve adhesion of subsequent Quickmast 350ML/MLS layers on concrete and steel substrates.

## Method of Use

### Substrate Preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

The concrete substrate should be below 75% RH and have less than 4% moisture content. Alternatively, consult with DCP's Technical Department.

### Surface Preparation

The surface must be structurally sound, free from oil, grease and other forms of contamination.

Concrete should be surface dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance. Steel surfaces should be grit blasted to remove all rust and scale. (See the DCP Guide to Surface Preparation for further details).

### Mixing

Prior to mixing, stir individual components of Strongcoat Primer ML. Take care to ensure that bottom and sides are thoroughly scraped, transfer the entire content of hardener into the base and mix for 2 - 3 minutes using slow speed mixer fitted with suitable paddle.

### Technical Properties @ 25°C:

|                              |                               |
|------------------------------|-------------------------------|
| Appearance:                  | Yellowish clear liquid        |
| Bond strength:<br>ASTM D4541 | ≥ 2 MPa<br>(concrete failure) |
| Mixed density:               | 1.1 ± 0.05 g/cm <sup>3</sup>  |
| Mixed viscosity:             | 5 - 15 poise                  |
| Pot life:                    | 90 - 120 min                  |
| Overcoating time:            | 12 - 24 hr                    |
| VOC:                         | < 20 g/ltr                    |

## Application

Strongcoat Primer ML should be applied by brush or short hair lambs wool roller. Spread evenly at the recommended coverage rate, avoiding any primer ponding on the floor. The primer should be applied so that the surface is thoroughly wet, ensuring there is a continuous film of resin over the surface.

Highly porous surfaces may require two coats of Strongcoat Primer ML. It is highly important that Quickmast 350ML/MLS is applied whilst the primer is very tacky.

## Cleaning

Strongcoat Primer ML can be removed by DCP solvent prior to setting.

## Packaging

Strongcoat Primer ML is available in 5 kg packs.

## Coverage

Strongcoat Primer ML: 5 m<sup>2</sup>/kg; 200 micron DFT.

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## Storage

Strongcoat Primer ML has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 40°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## Cautions

### Health and Safety

Strongcoat Primer ML should not come in contact with skin and eyes.

In case of accidental splashes to the eyes, wash immediately with clean water and seek medical advise.

For further information refer to the Material Safety Data Sheet.

## Fire

Strongcoat Primer ML is not flammable.

DCP Solvent are flammable. Do not use near a naked flame and do not smoke during use.

### Flash Point:

Strongcoat Primer ML: 75°C.

DCP Solvent: 33°C.

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