

## METHOD OF STATEMENT FOR APPLICATION OF MYFLOOR HARDENER

### 1. Purpose

The purpose of this document is to establish uniform procedures for application of Myfloor Hardener.

### 2. Scope

This document will provide the necessary instruction for the application of Myfloor Hardener.

### 3. Substrate Condition and Surface Requirements

- a) Concrete for single course monolithic floors should be capable of achieving a 28-day compressive strength of 20 Mpa (30 Mpa for heavy duty traffic areas) with a slump between 75mm and 100mm. Concrete should not contain calcium chloride.
- b) Place concrete and consolidate with vibrators if necessary. Strike off concrete level. Further level and consolidate using a wooden bull float. Complete this operation before any bleed water appears. If there is free-bleed water on the surface, remove it just prior to the floating.
- c) The base concrete should then be allowed to stiffen sufficiently to bear the weight of a finisher before proceeding to the next stage.

### 4 Execution

- a) Myfloor hardener coverage shall be at the rate of 4.0kg/m<sup>2</sup> for light traffic areas, 5.0kg/m<sup>2</sup> for moderate to heavy traffic areas and 6.0kg/m<sup>2</sup> for super heavy traffic areas.
- b) Check the specification for the hardener required per square foot (square meter) then stack the correct number of bags at each bay to be placed that day. This is important because it gives the finishers a "gauge" for applying the correct amount of material.
- c) After the concrete has stiffened to the point of supporting floating operations, open the surface by hand floating or power floating. Normally, a finisher's footprint of ¼" to 3/8" (6.4 – 9.5 mm) in depth indicates that the slab is ready for power floating. Earlier floating of the slab edges by hand is strongly recommended since the edges will dry first.
- d) Myfloor hardener should be applied in two coats using a dry shake method of uniformly broadcasting the product onto the surface of the freshly placed concrete.
- e) Broadcast 2/3 of the Myfloor hardener onto the fresh concrete surface. Float the broadcasted material into the surface with a mechanical or manual float after the hardener achieves a uniform moistened appearance.
- f) When the water sheen has again disappeared, broadcast the remaining 1/3 of the Myfloor hardener onto the surface. Float the concrete surface in the same way as before. After the surface has achieved proper firmness, proceed with normal finishing procedures.

- g) Final finishing of the floor using the blades of a power float can be carried out when the floor has stiffened sufficiently so that damage will not cause. As soon as the surface will not be marred, apply Mycure WB to the surface immediately by roller or spray.
- h) Waiting time of Myfloor hardener depending on the ambient temperature and type of cement used in the base concrete, the pre- usage waiting time is :
  - 24 to 48 hours for foot traffic
  - 7 to 10 days for light traffic
  - 28 days for normal traffic

## **5 Clean Up**

- a) Remove materials from all adjacent surfaces and leave operational areas free of debris.
- b) Clean tools or equipment with water before materials cure and harden.

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