

## **CONCRETE:**

11.41

### **SURFACE PREPARATION - NEW CONCRETE FLOORS**

Ensure that the floor has had at least the recommended curing period of 28 days. Rake out expansion joints to remove dust and dirt accumulation in the cavity.

Vacuum the floor thoroughly to remove all loose material and dust.

It is not recommended to use surface active, post-applied curing agents where it is intended to paint the floor.

Note: Ensure that you check with the contractor that placed the concrete to establish whether a concrete curing agent was used.

Where a concrete curing agent has been used, it must be completely removed from the surface.

Apply **PROTECTIVE PAINTS CONCENTRAED PRE-PREP CHEMICAL DEGREASER / ETCH (A926)** at the appropriate mixing ratio (refer to “Surface Preparation” below).

Spread the mixed material evenly over the floor surface ensuring that complete saturation occurs at a spread rate dependent on the nature of the concrete surface (surface profile) of between 2.5 to 5.0 square metres per litre of mixed material.

Allow the material to foam and where required use additional scrubbing action to ensure the surface is properly wetted out and cleaned.

Once the material has stopped reacting with the concrete (visible inspection will show foaming occurring), thoroughly rinse the concrete surface with large quantities of fresh water until such time as the foaming action of the material stops.

Ensure that at no time the surface dries out. Ensure the etchant solution remains wet at all times.

Always check to ensure complete removal of the pre-prep material has been achieved by ensuring that there is no foaming action when testing with fresh water in a selected area.

The concrete floor slab can then be allowed to dry out for priming and topcoating.

11.42

### **SURFACE PREPARATION - EXPANSION JOINTS**

We recommend that expansion joints are cleaned out, all dirt, dust, loose concrete materials are raked out and removed.

Where expansion joints are to remain as a critical function of the performance of the concrete slab, we would recommend that the painting process is completed and then the expansion joints are filled with a suitable elastic sealant placed against a backing rod.