

THIS METHOD STATEMENT COVERS THE MIXING & APPLICATION OF MasterBrace ADH 1414 – A TWO COMPONENT WET TO DRY EPOXY BONDING AGENT.

METHOD STATEMENT: MasterBrace ADH 1414

NOTE: The use of **MasterBrace ADH 1414** does not negate the need for proper and effective surface preparation.

1. SURFACE PREPARATION:

- 1.1. All surfaces shall be thoroughly cleaned and prepared. Remove all laitance, weak or friable concrete, dust, curing compounds, floor hardeners, oil, grease, fat, bitumen and paint.
- 1.2. All laitance should be removed by mechanical scarification, grit blasting, high pressure water jetting or other approved methods.
- 1.3. NOTE: Do not use preparation methods such as bush hammering, that crush the aggregate, leaving behind a weak surface.
- 1.4. New concrete should have cured until the shrinkage and moisture movement is low. Surfaces heavily impregnated with oils etc. should be degreased and grit blasted or mechanically scarified to remove the contaminated surface. All curing compounds should have disintegrated or be removed and application carried out only onto a clean, dust free surface.

2. MIXING:

- 2.1. Transfer the entire contents of the smaller container of **MasterBrace ADH 1414** REACTOR COMPONENT to the larger **MasterBrace ADH 1414** BASE COMPONENT tin and thoroughly mix, using a slow speed drill with a paint mixing paddle until uniformity is achieved. This normally takes 2-3 minutes.
- 2.2. Do not attempt to part mix the contents. Do not attempt to thin MasterBrace ADH 1414.

3. APPLICATION:

- 3.1. As the pot life is limited, work should proceed quickly once mixing is complete.
- 3.2. **MasterBrace ADH 1414** shall be applied evenly across the exposed concrete surface with a clean short haired paintbrush, paint roller or a steel hand trowel for large flat floor areas.
- 3.3. The contents of the can shall be used within the pot life of the mixed material. Ideally pour the mixed epoxy resin into shallow paint trays or similar as this will increase it's pot-life.
- 3.4. Once applied keep the surface clear of all traffic and debris and allow the **MasterBrace ADH 1414** film to become tacky to the touch (45 -90 minutes after mixing and application depending upon ambient temperatures (high temp = shorter working time).
- 3.5. Once the **MasterBrace ADH 1414** has become "tacky" immediately apply the cementitious floor topping / repair material as per normal construction practices. DO NOT allow the epoxy film to become tack-free before overlaying as this will render the bonding ineffective. If this should happen abrade the surface and re-apply the **MasterBrace ADH 1414**.



- 3.6. Do not apply to surfaces in direct sunlight or at excessively high ambient temperatures as this will shorten the working time of the material considerably and may lead to bonding issues.
- 3.7. **MasterBrace ADH 1414** can be cleaned from equipment whilst still wet using soapy water or a suitable solvent (MEK / Acetone etc.), once hardened it will require mechanical abrasion to remove it.

This method statement should be read in conjunction with the latest Technical Data Sheet and Material Safety Data Sheets.

4. TEMPERATURE:

4.1. Since low temperatures retard the setting and curing of **MasterBrace ADH 1414**, avoid working in cold weather if possible. Although **MasterBrace ADH 1414** will cure slowly at low temperatures, a temperature of 7°C - 10°C can be considered to be the lowest at which work on vertical rendering may proceed satisfactorily without shuttering.

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