

SPECIFICATION:

Jaydex Coating System For Concrete Basement Floors/Walls

INTERNAL SOLUTION

AQUA285c

OCT 2009

INTRODUCTION

This specification calls for the Preparation and Application of **Jaydex Novapoxy WB** two pack water based epoxy coating (*see Technical Data Sheet J07*). The application is usually for the internal faces of precast concrete, block concrete, cast in situ concrete cement plaster or asbestos cement surfaces. It is applied in a 2 coat sequence and penetrates into the micro pores of the concrete to create a crystalline barrier preventing dampness/water reaching the internal face of the concrete wall/floor. A two coat sequence of **Jaydex Aquadex** High build acrylic coating is then applied over the **Novapoxy** treated areas.

SURFACE PREPARATION

1. Ensure all surfaces are free of dirt and any other contaminants. Employ degreasing agents and wash down if necessary
2. Any unpainted surfaces must be cleaned of white salt deposits (efflorescence) or cement latents by acid etching and washing down.
3. Painted surfaces must be ground back to original concrete and cleaned.
4. If there is a visible gap between floor/wall junctions and/or cracks and/or control jointing in the concrete surface then the following preparation needs to be carried out.
 - a. V Groove the perimeter wall/floor junctions and into the visual crack lines.
 - b. Clean up the areas affected
 - c. Next apply **Jaydex Novapoxy** on its own and brush into all V Grooves. Leave to cure overnight.
 - d. Next mix sand and cement 3:1 ratio and add the **Jaydex Novapoxy** to it to create a slurry and apply into all V Grooves and leave to cure overnight.
 - e. On the Wall Floor junctions only and around columns mix 3:1 sand cement and add **Jaydex Novapoxy** to create a stiff paste and then cove the mixture to all relevant horizontal/vertical junctions, leave to cure overnight.
 - f. Across the treated V grooves and control joints apply a coat of **Jaydex Novapoxy** and while still wet roll into it a 100 mm (or wider) csm reinforcement strip. Apply another coat of **Jaydex Novapoxy** over the top of the bandage. Leave to dry overnight

COATING APPLICATION

Priming with Novapoxy

Mix **Jaydex Novapoxy** equal parts by volume in accordance with the Technical Data Sheet J07. Add 10% of clean, fresh water and remix thoroughly and leave to sit 5 minutes.

Apply by brush only (at a spreading rate of 7 sqm/litre) working it well into the relevant wall/floor concrete areas. Allow to dry.

First Bodycoat of Novapoxy

Mix Jaydex Novapoxy WB equal parts by volume as before but do not thin with water. Apply by brush or roller at 7 – 8 sqm /litre over the relevant wall/floor areas and allow to dry.

Second Bodycoat of Novapoxy

Mix Jaydex Novapoxy equal parts by volume as before but do not thin with water. Apply by brush or roller at 7 – 8 sqm/litre and allow to dry.

First Bodycoat of Aquadex

Apply by brush and / or roller and leave to dry.

Second Bodycoat of Aquadex

Apply by brush and / or roller and leave to dry.

NB

1. Always brush the Novapoxy
2. The coating application system described above is normally adequate to damproof most floor and wall surfaces. Very rough or porous blockwork may require further coatings applications.
3. Where a wall is situated below the outside ground level, always extend the coating system at least one metre above the external ground level line and always over the total adjoining internal floor areas.

Leave 24 hours before any type of overlay, such as Carpet or Rubber Flooring is applied to the treated areas.

WARRANTY

When Jaydex Licensed Contractors apply this membrane system in accordance with above specification a standard warranty will be issued for up to fifteen (15) years.