SUPER WATERPROOFING GRP LINING SYSTEM

GRINDING

After concreting, many irregularities on the surface remain and if lamination is carried out on such surface finishing on the outer surface will be inferior. Hence, surface grinding of concrete has to be done, if necessary. This removes all irregularities and the surface becomes clean. Moreover, the ground surface has more porosity which will ensure a stronger bonding resin

DUST REMOVAL

After grinding, concrete powder and debris accumulate and this has to be removed as it gets entrapped between the lining and the surface. Hence, the concrete surface is to be cleaned

LAMINATION

Process of lamination for open areas of benching:

> After the surface preparation and removal of dust, the first coat of resin is applied to the concrete surface. Care is taken to see that the resin fills all voids in the concrete surface so as to avoid the formation of air bubbles.

> One coat resin is applied on the concrete surface. Then a first pre-trailed layer of glass fiber (CSM) is placed on the resin applied surface.

> A woolen roller is used for applying the resin on the mat.

> Second layer of glass fiber (CSM) is placed over the first layer with resin applied over it.

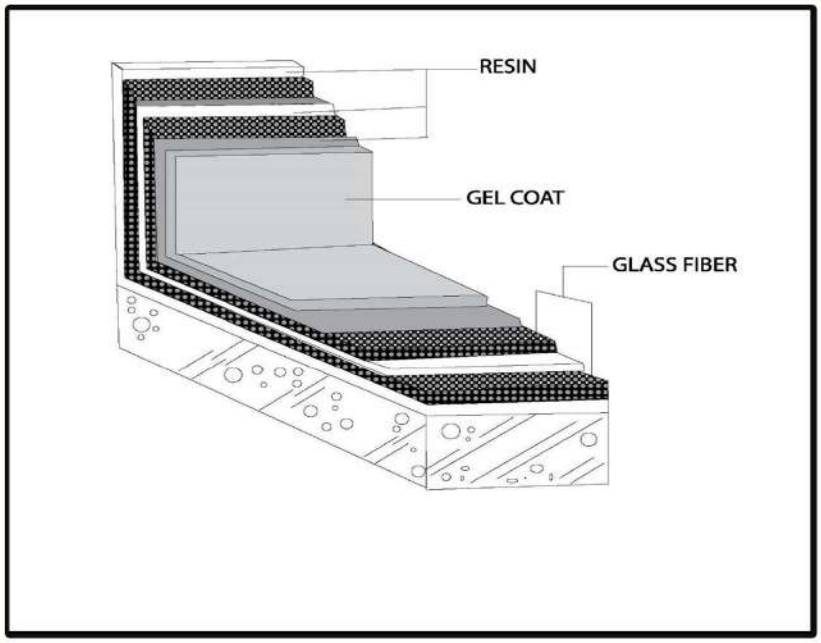
> Metallic roller is used to impregnate the lamination and to remove any air entrapment.

> Sufficient time is allowed for successive glass fiber impregnation to avoid peak exothermic heat.

> Successive layer is applied on the already impregnated lamination with thickness condition for better bonding between the layers. The procedure is repeated until the required thickness is achieved.

> Finally topcoat will be applied to the cured lamination.

TECHNICAL DETAILS



GRP 3MM LAMINATION

METHORD OF STATEMNT OF GRP LAMINATION

1. First layer filling putty and applying resin coating above RCC wall.
2. Second layer apply fibre mat with resin.
3. Thrid layer apply fibre mat with resin.
4. Fourth layer applying white gelcoat For filling the pin holes.