CICO SYSTEM OF POLYMER FLOORING

1.1 SURFACE PREPARATION

For any flooring, when a thin layer applied on any concrete substrate, the substrate should have following basic physical conditions :

a) Free from any laitance, loose particles and / or any greasy material.

b) Sound, strong concrete without any void or cavity.

c) Surface should be prepared thoroughly by means of air-water jetting, wire-brushing, so that the surface is free from laitance.

d) Substrate should be pre-wetted after cleaning prior to laying the Polymer Modified floor topping.

1.2 PRIMING

TAPECRETE P - 151 is mixed with cement (OPC) in the ratio of 1 kg cement: 0.52 kg TAPECRETE P - 151 by weight. The mix has to be stirred thoroughly and applied by brush on prepared surface.

Normally 250 gms. of TAPECRETE P - 151 is required for one square meter. The consumption may increase depending upon surface conditions.

2.1 MIX PROPORTION

Polymer modified floor topping comprises:

1 Part of TAPECRETE P-151

2 Parts of Portland Cement

1.5 Part of Coarse sand

1 Part of Fine sand

Part of CICO FLORTOP.E
NOTE : All quantities measured by weight only. Superplasticizer such as CICO PLAST SUPER or equivalent shall be used if necessary (to achieve workability).

2.2 METHOD OF MIXING
The cement is to be thoroughly mixed into the TAPECRETE so that no lump is formed while mixing. Add 50% of the sand into the slurry and mix it thoroughly to uniform consistency. Add balance part of sand CICO FLORTOP.E and mix thoroughly until a workable consistency occurs.

2.3 METHOD OF LAYING
After applying the priming coat, the Polymer Modified flooring mix shall be placed in accordance with good flooring practice. Use heavy steel / wood straight edge to level topping particular care must be taken at the corners and edge of the bays. Polymer flooring can be laid in the thickness ranging from 4mm to 10mm.8mm./m2 thick flooring will require about 19 kg. of the mixed material.

3. FINAL PREPARATION
After laying ot the flooring should have a broadcast layer consisting of cement and CICO FLOROTOP-E / cement mix should be broadcast in the ratio of 2:1 i.e.2 kg CICO FLORTOP-E :1 kg cement in two equal stages, evenly

over the surface of the freshly laid layer as soon as the surface water has evaporated. Immediately after each stage of broadcasting of the CICO FLORTOP - E / Cement mixture trowelling should be carried out, either by hand or by means of a power float. Normally 3 kg./m2 of dry CICO FLORTOP - E is required to provide a thickness of 2mm (approx.).

4. CURING

The entire surface has to be cured by means of wet burlap or by covering with curing compound. Curing shall start after five hours and continued upto 24 hours strictly.