

Technical Note #7- Epoxy Modified Coving

Material Requirements

The materials required for each lineal metre of coving are:

- 0.5 litre mixed FORTIS AD822
- 3.5 litres (5kg) blended sand (equal parts 30/100A and 18/40 grades)
- Extra FORTIS AD822 is needed for priming, at 1 litre for every 10 lineal metres of coving
- FORTIS IMS100 solvent is used for cleaning equipment

Surface Preparation:

Prepare floor according to Technical Bulletin #4 Surface Preparation:

Advice for adjoining substrates: Concrete floor and aluminium walls - prepare concrete as usual and attach aluminium "coving strips" to aluminium walls.

Concrete floors and brick walls - prepare concrete as usual and ensure brickwork is free from contaminants. Mask the wall as needed for the top of the coving and the floor. Seek Local authorities requirement, however the general requirement is 100mm both horizontally and vertically.

Coving Installation

Prime coving area (floor and wall) with FORITS AD822. This is a two-pack epoxy product. Mix before use according to product data sheet. Mix FORTIS AD822 parts A & B thoroughly. Mix only the amount that can be used before the pot life expires. DIY users are advised to only mix a small quantity (e.g. 0.5 litres) at a time until they become familiar with the techniques.

Prepare a blend of sand by mixing 30/100A (F6 grade) with 18/40 sand in equal parts, and blend thoroughly. Into the mixed FORTIS AD822, power mix the blended sand in ratio 5-7 parts by volume sand, to 1 part FORTIS AD822 (mixed). This is a fairly dry mix with no slump.

Note: A blend of 3:1 F6 sand and cement can also be used, however at 50 ml for water for every 500ml of epoxy used.

Place the mix along the bottom of the wall with a trowel. Use a coving trowel and/or the base of a large soft drink bottle or large tapered glass to create cove. Keep trowel clean - dip into FORTIS IMS100 solvent and wipe on clean rag. Do not wet coving with solvent. Form the cove so that it extends over the masking tape and at a thickness of 5mm at tape join. Do not feather out edges. Remove tape carefully after the material has become "plastic", i.e. surface dry but still mobile; before it has fully set. This is usually half an hour to one hour after installation. Use a dry brush to remove loose material on cove and to curve the sharp edges left after tape was removed. Allow 6 to 48 hours before coating coving and floor with FORTIS PRIME 820 then FORTIS COAT527