RESIN PACK 6C

PU Moisture Barrier

Application

Resin Pack 6C is a two component polyurethane compound formulated specifically as a sealant for the concrete bases of cabinets against the ingress of moisture.

Kit Contents

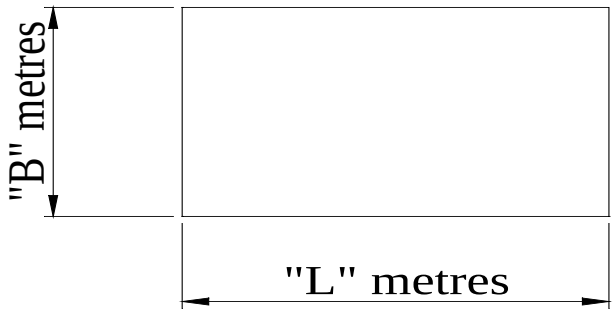
- Base component 2,050 ml
- Hardener component 1,750 ml
- One pair of protective gloves

Application Method

1. First ensure that the base of the cabinet is clean, dry and free from contamination. The concrete base should have been given at least 48 hours from casting to ensure that it is fully cured, this duration may vary dependant on temperature and concrete type (advice should be sought from concrete provider).

2. Calculate the volume of resin required to cover the base of the cabinet to a depth of 15-20mm.

   L x B x 20 = “X” Litres. Then divide “X” by 3.8 to calculate the number of kits needed.

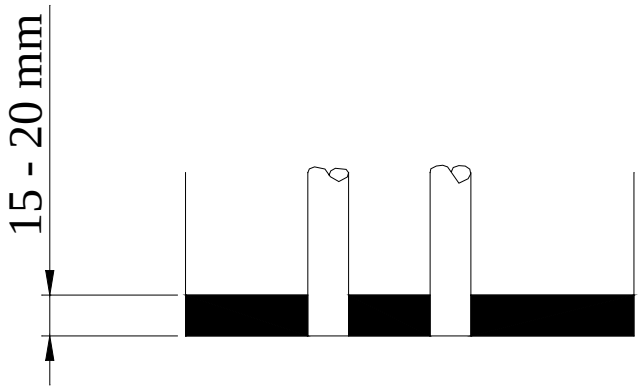


PLAN VIEW INSIDE CABINET

3. Pour Hardener material (in oblong plastic bottle) into Base Tin (Round). Ensure hardener is drained so that only a minimal residue remains in bottle. Mix with mixing paddle and spindle (available from ALH Systems Ltd) attached to an electric drill for at least 1 minute (times may vary dependant on temperature). It is essential that the materials should be mixed fully. The blue and yellow materials will create a consistent green colour when fully mixed. If streaks of blue or yellow are still visible the mixing should continue until they have gone.

4. It is essential that each unit is mixed and poured in turn as the material will gel between 5 and 10 minutes. Do not attempt to mix several units and then pour them in as the last unit may already have gelled and will then not be usable.

5. Pour the required volume of resin over the base area, levelling as necessary to produce a consistent 15-20mm thickness of resin.



6. Close cabinet door and leave resin to cure for 24 hours.

RESULTS OF RESIN PACK 6C
TESTED AGAINST BT SPECIFICATION LN.....

Clause	Test	Spec. Requirement	Results
4.1.1.	Mixing Time	Homogenous mix achieved and contents dispensed within three minutes @ 5°C. Components to be of contrasting colours so homogeneity of mix is clear.	As spec requires Base is yellow Hardener is blue Mixture is green
4.1.2.	Effect on cable sheath	Shall not adversely effect polyethylene	No adverse effect on polyethylene
4.1.3.	Phenyl Isocyanate concentration	Must not exceed 0.01%	Less than 0.0005%
4.2.1.	Viscosity	Not greater than 150 poise @ 23.5°C	Not greater than 70 poise @ -5°C
4.2.2.	Gel Time	10 minutes	6 minutes
4.2.3.	Max. Temp.	120 ^{o}C	50^{o}C
4.2.5.	Stress crack on Polyethylene	No stress crack	No stress crack
4.2.6.	Cure/Setting "	Acceptable cure after 24 hours @ - 5^{o}C	Tack free 10 minutes Full cure after 24 hours @ -5^{o}C
4.2.7.	Adhesion to PVC	Minimum 0.25 N/mm^{2}	0.32 N/mm^{2}
4.2.8.	Hardness	50 - 70 IRHD	60 IRHD
4.2.9.	Weight Loss	<10%	<10%
4.2.10.	Steel Bond	>500N	2300N
4.2.11.	Concrete Bond	>250N	400N
4.2.12	PVC Bond	>250N	1800N
4.2.13	Performance Test	168 hours leak free	168 hours leak free