

## EPOXY MORTAR

Produces the toughest possible floors

**CONSEAL M** is a specially formulated two part epoxy system that that is available with aggregate packs to produce produce either fine or coarse epoxy mortar. It produces an easy to spread mortar that is extremely strong and hard-wearing. An additive is also available to allow formation of coving between floors and walls.

**CONSEAL M** with fine aggregate is soft and easy to spread and has a fine closed texture. **CONSEAL M** with coarse aggregate is stiffer and produces a rougher, slip resistant surface. Both products are impermeable.

**TYPICAL USES** For application to concrete floors where the most durable resin floor is required. It can be used on ramps and is excellent for repairing worn or damaged concrete steps and floors or for filling holes before the application of self levelling screed.

**SUBSTRATE PREPARATION** **CONSEAL M** must be applied to solid substrates that have been suitably prepared and primed. Poor preparation of the substrate will prevent good results and cause premature failure.

All old coatings and contamination such as oil and grease must be removed. A scabber is quick and easy to use but heavy encrustations of grease should be removed first.

Old concrete must be checked for mechanical strength and any necessary repairs made. New concrete that has a layer of friable, dusty material on its surface that has been caused by premature drying out, must have the friable material removed by blasting or by diamond grinding.

Metallic surfaces should be cleaned by suitable mechanical preparation. Steel surfaces are best freed from rust and mill scale by shot blasting. Where blasting is impossible, thorough manual de-rusting is the least that must be done.

**PRIMING** Prepared concrete should be primed with **CONSEAL P** epoxy concrete primer. Its purpose is to bind friable concrete and to provide a receptive surface for the **CONSEAL M** to adhere to.

Steel substrates should be primed with **ARMOURGUARD ST**.

Scatter dry sand on to the wet primer. This will create a rough surface which



will prevent the mortar sliding during application.

**MIXING** **CONSEAL M** must be mixed in a powered mixer. A mixer with a removable tub is ideal for small jobs but a larger machine such as an **IMER** mixer which can mix 100 kgs at a time and has bottom discharge is better for large jobs.

Pour the resin and hardener into the mixer and allow it to be mixed thoroughly before adding the aggregate. Continue mixing until a homogeneous mix with an even texture is obtained.

**APPLICATION** The temperature of the material and substrate must be at least 10°C. Application at lower temperatures is possible but will be more difficult due to the higher viscosity of the resin binder.



## ADVANTAGES OF CONSEAL M

- Tough & durable, suitable for the most arduous applications.
- Provides a seamless non slip floor.
- Available in a range of colours and natural self colour
- Waterproof and easy to clean
- Excellent for new or for restoring old, damaged concrete floors
- Easy to spread and apply
- Can be applied to slopes and vertical surfaces
- Good for foundations for heavy industrial equipment

The mixed mortar can be quickly spread on large, flat surfaces with a screeding sledge. A screeding bar used between guides can be used on irregular surfaces or while small areas can be levelled with a trowel.

**CONSEAL M** has good slip resistance and can be put into service as it is or it can be finished with other coatings to provide greater slip resistance or varied colours.

**CONSEAL M** can be walked on within 6 to 12 hours, depending on the temperature. Heavy traffic should not be allowed for two days in hot or five days in cold