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## PRODUCT DATA SHEET

# PS Rapid 3min Mortar

### DESCRIPTION

**PS Rapid 3min Mortar** is a natural, additive free, quick-setting, rapid hardening, ready mixed mortar, specially designed for civil engineering applications. **PS Rapid 3min Mortar** is a general-purpose rapid installation mortar to cement-in fixings to concrete, seal cracks and voids, and stop the flow of water.

### BENEFITS

- Provides instant plugging of leaks.
- Very fast setting time under high pressure.
- Easy to mix and apply.
- Compatible with concrete and masonry.
- Applied as preparation before resin injection or before applications of waterproofing coatings.



### PREPARATION AND MIXING

All substrates must be free from excess dirt, debris, loose concrete and other particles that could affect the **PS Rapid 3min Mortar** from bonding.

Once all the damaged concrete has been successfully removed, prepare the substrate by sand / grit blasting, high pressure water jetting or other methods until concrete is exposed. If any cracks and holes are present these should be cut out to a minimum width of 10mm. The substrate must be wetted thoroughly with clean water until the surface is saturated. **PS Rapid 3min Mortar** is mixed manually with clean water until the right consistency has been achieved. The consistency should be in the form of a putty. **PS Rapid 3min Mortar** is very fast setting and should only be mixed in small batches (approximately 1kg per batch). Once mixed, the material must be applied immediately to the substrate and held in place for a couple of minutes until set.

### PLACING

**PS Rapid 3min Mortar** must be moulded by hand until the material becomes warm in the hand. **PS Rapid 3min Mortar** should be applied when stiff but still in plastic state. Once applied, do not remove your hand until the material has been allowed to develop sufficient strength to hold back any water pressure.

### CURING

Curing and setting times of **PS Rapid 3min Mortar** are determined by ambient and substrate temperatures. **PS Rapid 3min Mortar** will develop a very high temperature. To prevent rapid loss of water, the material can be dampened with clean water for approximately 15 minutes after application. Mixing can be messy so all equipment must be cleaned thoroughly and removed mechanically. *Note; low temperatures can delay*



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*the setting of the material. High temperatures will speed up the curing process and decrease workability time.*

### PACKING & SHELF LIFE

**PS Rapid 3min Mortar** is packed in a 10kg plastic tub. The compound has a shelf life of 1 year in tubs that are unopened and undamaged. Store in a cool, dry environment.

### HEALTH & SAFETY

**PS Rapid 3min Mortar** is non-toxic and safe to use. However, protective clothing, rubber gloves, goggles and a dust mask should be worn while mixing and applying the material. Please refer to **PS Rapid 3min Mortar** MSDS for further information.