

TU-Chem Limited

Chemical Compounds for the Construction Industry

Siteplug

Wall Tie Sealing Compound

Description

Siteplug is a pre-blended cementitious wall tie sealing compound. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphate and other chemical attack when fully cured.

Siteplug is a compound consisting of quality assured raw materials and specialist chemical modifiers designed to provide rapid set and anti-washout properties. The compound is chloride free.

Uses

Siteplug is designed for plugging tie holes and when filling holes formed by through ties, the plastic pipe remaining in the wall should either be removed or drilled back from the concrete face by approximately 50 mm then plugged with a tie stopper to form a backing for compacting the **Siteplug** against.

Mixing and Placing

Siteplug should be mixed using water which complies with BS EEN 1008 (as for concrete) **Siteplug** is normally hand mixed at a typical WSR of between 0.18-0.20 although proprietary forms of mixing equipment may be used. Care should be taken with water addition to ensure correct working consistency.

Setting Times

The typical set time for **Siteplug** when mixed at a water solids ratio of 0.2 is:

Set time < 45 minutes

(Results derived from specimens produced at 0.2 water/solids ratio at 20⁰C)

It is recommended in view of the rapid set time that no more than 5 kg of **Siteplug** be mixed at any one time. For optimum results it is recommended that areas are sound, free of dirt and other contaminants and well dampened down.

Yield

The approximate yield of set compound per tonne of dry powder is 0.63m³.

The approximate quantity of dry powder required to produce 1 m³ of set compound is 1.60 tonnes. These figures do not allow for site wastage.

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Continuation

Typical Performance

Compressive Strength N/mm²

Age (days)	1	7	28
	6	16	26

(Water/Solids Ratio 0.2)

Packaging: 8kg

Storage: **Siteplug** should be stored in cool dry areas clear of the found, sheeted or under cover.

Shelf Life: Minimum 3 months but could be in excess of 6 months subject to temperature, humidity and other storage conditions.