

SOPRA Powder WP

Waterproofing Powder Admixture

Description

SOPRA Powder WP is a general purpose one-part powder waterproofing admixture for concretes and mortars.

Uses

- * Waterproof precast concrete.
- * Waterproof cement rendering.
- * Waterproof concrete blocks.
- * Concrete in regular contact with water.

Advantages

- * Reduces the permeability of concrete
- * Eliminates water penetration under positive pressure.
- * Maintains setting time and strength
- * Increases durability.
- * Compatible with all types of cement and cements containing clinker, blast furnace slag or micro silica.
- * Compatible with most other **SOPRA** admixtures.

Packaging

1.0 kg packs or 15 kg sacks.

Storage

12 months shelf life when stored in original packs at below 35 °C in a dry shaded place, avoiding contact with water.

Properties

Appearance	White powder
Air entrainment, %	1-2
Chloride content, BS 5075	Nil
Flammability	Non-flammable

Effects on Concrete

Wet concrete
Fine particles and chemicals in the admixture combine with lime released by the cement as the hydration process begins, to block capillary channels within the concrete.

Hardened concrete

Exhibits superior resistance to water ingress or contamination by water-borne elements.

Application

Dosage
The normal dosing range is 1 - 1.5 kg per 100 kg of cement, including any cement replacement material. The optimum dosage of **SOPRA** Powder WP to meet specific requirements should be determined by trials using materials and conditions as encountered on site.

Overdosing

Exceeding the recommended dosage will result in loss of strength due to air entrainment.

Cleaning and Disposal

Spillages of **SOPRA** Powder WP should be hosed down with large quantities of water. Tools and equipment contaminated with **SOPRA** Powder WP should be cleaned with water.