

Elastomeric Cementitious Waterproofing Slurry

DESCRIPTION

Power Seal-205 is a cement based, polymer modified, 2-component, multipurpose waterproofing slurry. **Power Seal-205** combines a crystallization action and pore blocking effect with the excellent waterproofing ability of special polymers, fillers, and properly graded aggregates. Suitable for use in tropical and hot climatic conditions.

USES

Power Seal-205 is used as an economical and easy to use as waterproofing slurry both for external and internal applications. **Power Seal-205** is suitable for the following applications:

- Water and sewage works, such as tanks and manholes

- Basements and lift pits
- Retaining walls and bridge structures
- Sea walls and irrigation channels
- Balconies, bathrooms etc.
- **Power Seal-205** can be used against positive and negative water pressure.

CHARACTERISTICS / ADVANTAGES

Power Seal-205 is part of a complete Power System for the economical water proofing of water containment structures. **Power Seal-205** offers the following advantages:

- Pre-batched components (no water added)
- Impermeable
- Brush, trowel or spray applied
- Good adhesion to sound substrates

PRODUCT INFORMATION

Chemical Base	Cement, selected graded aggregates and polymer dispersion.
Packaging	16-kg (5-kg pail of component A & 11-kg bag of component B)
Shelf Life	1 Year months minimum from production date if stored properly in original unopened packaging.
Storage Conditions	Store in a dry area in original sealed packaging between 5 °C and 35 °C. Protect from direct sunlight.
Appearance / Colour	Component A: White Liquid Component B: Grey powder Component A+B: Grey Slurry
Maximum Grain Size	~0.6 mm

TECHNICAL INFORMATION

Compressive Strength	>30 N/mm2 (28 days)	(EN 196)
Tensile Strength in Flexure	~9.6 N/mm2 (28 days)	(EN 196)
Tensile Adhesion Strength	~1.5 N/mm2	(ASTM D 4541)

APPLICATION INFORMATION

Fresh mortar density	~2.00 kg/l at 23 °C	
Consumption:	1.3-kg to 1.5-kg per Square meter area	
Ambient Air Temperature	+5 °C min. / +40 °C max.	
Substrate Temperature	+5 °C min. / +40 °C max.	
Pot Life	+25 °C	+40 °C
	~60 min.	~30 min.
Waiting Time / Overcoating	Approximately 3 hours maximum at 30 °C before applying subsequent coats. 5 to 7 days approximately (depending on thickness) before painting with compatible decorative coatings.	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet

PRODUCT DATA SHEET

(SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces must be clean, sound, free from grease, oil and loosely adhering particles. The substrate must have a pull-off strength (tensile adhesive) of at least 1.0 N/mm². Use suitable mechanical methods such as abrasive blast cleaning, high pressure water jetting (minimum 150 bar), scabbling or needle gunning. New or smooth faced concrete surfaces should be sandblasted. All surfaces must be as true and flat as possible.

Blowholes

Saturate absorbent concrete surfaces thoroughly with water to achieve a surface saturated dry condition.

MIXING

Stir component A (liquid) thoroughly before pouring into a clean mixing container. Add component B (powder) slowly while mixing continuously. Use forced action mixers or low speed electric mixers (maximum 500 rpm) with basket type mixing blades for 3 minutes avoiding entrapment of air. By adding the powder in portions, the desired application consistency can be obtained. For a trowelable consistency use about 90 % of component A approximately 4.5 kg).

APPLICATION

While the substrate is still in a saturated surface dry condition, apply the first coat by notched trowel and leave to harden. Apply the second coat as soon as possible, after hardening of the first coat, to ensure proper adhesion between layers.

CURING TREATMENT

Protect from rapid drying by applying an Antisol curing compound or protecting with polythene sheeting.

Warranty

This product is warranted to be free of defects in material and workmanship, and conform to Power Construction Chemicals ("POWER") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but