

Aquaflex P500

Specialty Negative Pressure Waterproof Coating

Product Description

Aquaflex P500 specialty negative pressure waterproof coating is a composite cement-based waterproof coating independently developed by our company. It is composed of high-quality materials such as silicate cement, quartz sand, special active chemicals, etc. It has high-strength bonding and anti-seepage ability, and is particularly suitable for back water surface waterproofing and anti-seepage plugging.

Product Features

- Strong bonding and high penetration (base) ability to improve anti-seepage and plugging effects;
- Specialized for basement concrete walls, brick walls, slag block walls and other building wall leakage;
- Can be constructed on the water-facing and water-receiving surfaces of concrete structures, brick walls and other structures;
- Constructed on a damp base surface (but no flowing water), water-seepage wall cancer and powdered surface
- Can be effectively solved;
- Water-based and environmentally friendly, no artificial formaldehyde added, easy to use, no construction joints



Where To Use

- Waterproofing and seepage control on the negative side : Applications in bathrooms, pools and external wall, etc.

Recommend Usage

When applying 1.0mm thick, the reference amount is 1.5kg/m²

(This data is calculated in a standard experimental environment and is for reference only. The actual amount needs to be calculated based on the on-site base surface conditions.)

Product Specifications

5kg/pail, 20kg/pail

Construction technology

Ensure that there is no water seepage on the base surface → Level and clean the base surface → Slightly moisten the base → Prepare materials (water: powder = 0.35:1 weight ratio) → Apply by brushing (the time interval between each application is based on the previous coating being dry and not sticky and not sandy) → Apply 3 times → Wet curing

Technical indicators

Implementation standard: Q/SDKS 079-2021

Item		Index
Appearance		Uniform powder, no agglomeration
Setting time	Initial setting/min \geq	60
	Final setting/h \leq	12
Flexural strength/MPa	7d \geq	3.2
	28d \geq	6
Compressive strength/MPa	7d \geq	20
	28d \geq	25
Wet base bonding strength/MPa	7d \geq	1
	28d \geq	1.5
Coating impermeability pressure/MPa	7d \geq	0.6
Alkali resistance		No cracking or peeling
Heat resistance		No cracking or peeling
Frost resistance		No cracking or peeling
Shrinkage/%		0.3
Water absorption/%		6

Transportation and storage

- The products are transported by general means. Different types of products should be stacked separately and should not be mixed. Prevent sun and rain, and prevent packaging damage. Store in a cool, ventilated, dry place, strictly prevent moisture, and the storage temperature is 5°C~35°C;
- Under normal transportation and storage conditions, the shelf life is 6 months from the date of production.

Precautions

- The ingredients should be prepared and used as needed. The prepared materials should be used up within 60 minutes and no additional water should be added;
- The base surface should be cleaned. For base surfaces with high water absorption, it is necessary to repeatedly apply water to moisten the base. If necessary, consider applying an interface agent;
- This back water pressure waterproof coating is suitable for use on stable structural base surfaces. For waterproof sealing of pipe openings, expansion joints, deformation joints, etc., it is advisable to use high-elastic waterproof materials for construction.