Dichtament DS

Waterproofing system

Product properties

- Hydraulically sitting pulverized material
- Second component to Nafufill BB2 & Nafufill SBR
- Impermeable to water and dampness free from efflorescence and resistant to moss and fungus growth.
- Excellent adhesion to the surfaces
- Resistance to alkalis and UV resistance.

  Non-toxic & non combustible.

Areas of application

- Provides outstanding waterproofing and damp-proofing course to concrete structures, bricks and masonry works, cement renderings, plasters etc.
- Can also be used in underground shafts and garages, retaining walls, tunnels, water tanks, roof slabs, sewers and basements etc.
- Bathrooms, cellar walls and floors exposed to dampness and attacks from moss and fungus can be successfully resurfaced with **Dichtament DS**
- Foundation walls and footings subjected to ground moisture, water and salt efflorescence.

Application

Dichtament DS is a two pack waterproofing system for concrete, brick, masonry and all cement-bound surfaces. The base component of **Dichtament DS** is hydraulically setting pulverized material and the second is a liquid polymer component, which produces outstanding waterproof surfaces

Advantages

Dichtament DS waterproofing system works on the principles of waterproofing by crystallization and forms an integral part of cement-substrates. The crystalline penetration takes place by osmosis and the treatment penetrates concrete even against hydrostatic pressure. The system has enhanced carbonated protection properties.

Instructions for use

Damp and loose plaster if any must be removed. All joints must be properly filled. In case of any cracks they should be sealed. Please refer to our technical literature on Crack injections.
The surface to be treated must be structurally sound. It must be clean, free of all loose particles, oil, grease, efflorescence, traces of form oil curing compounds and any other previous treatments and contaminations.
1 part volume (pbw) of the polymer components should be diluted in 4 pbw of clean potable water, gives 5 ltr liquid. Nafufill BB2 and Nafufill SBR is suitable polymer component.
Approx. 2.5 to 3 pbv of **Dichtament DS** powder, should be mixed with 1 pbv of this liquid as mentioned above to obtain as desired consistency.
The mix can be applied with a trowel, brush or spray. Application at temperature below +5°C and on frozen surface should be avoided. Slightly dampen the surface prior to coating.
Dichtament DS should be applied in two operations. The thickness of the coatings depend on the conditions and requirements of the surface to be protected. A minimum coat thickness of 2 mm is recommended when **Dichtament DS** is directly subjected to water pressure. In case of sandwiched system the thickness of **Dichtament DS** can be between 1 – 2 mm depending upon actual site conditions. However, the maximum thickness should not exceed 6 mm.
Subsequent coats may be applied when the previous coat is not completely dried out, subject to minimum of 1 hour. Care should be taken to protect the coating from being damaged during subsequent operations.
All coating of **Dichtament DS** must be cured by clean water to avoid rapid hardening. Fog sprays should begin after ½ hours depending upon the temperatures. Protect from direct sunlight and extreme temperatures.
Protective or decorative systems like tiles, wood, Panels etc. may only be applied when **Dichtament DS** has sufficiently hardened, minimum after 7 days.

Technical Data for Dichtament DS			
Characteristic	**Unit**	**Value**	**Comments**
Mixing ratio	p b w	1 : 4 2.5 : 1	Nafufill BB2 / SBR : water Powder : liquid
Pot life	minutes	30	
Minimum application temperature	° C	+ 5°	Application at lower temperatures to be avoided

Product Characteristics for Dichtament DS	
Colour	Grey
Shelf life	6 months
Delivery	30 Kg Sack
Storage	Protect from heat and frost
Disposal	Packs must be emptied completely.