



NanoBitucoat

Bitumen emulsion

Description

NanoBitucoat is a brown/black liquid blend of bitumen emulsified with water for application of protective coating on concrete substrate. The cured film is tough and waterproof which is resistant to the passage of water and vapors transmission. Used on concrete as a waterproofing coating, curing membrane, protective coating for below ground concrete.

Uses

- NanoBitucoat is applied to protect concrete surfaces subject to attack from soil acid and salty water before backfilled such as basements and foundations, retaining walls.
- Bond breaker coating for concrete.
- As a adhesive for insulation materials.
- As a waterproofing of roof slabs.

Features/Benifits

- Economical solution for waterproofing purpose and as a curing compound.
- Low labor cost, easy to apply.
- Environmentally friendly, non-flammable, asbestos free and can be used in confined spaces.
- Excellent service life - resistant to chloride and sulphate ions.
- Good flexibility and very good adhesion on all mineral substrates.
- Adheres to concrete, metal, wood, cork, etc.

Standards Compliance

ASTM D1227 requirements for bituminous coating.

Properties

Appearance:	Brown/black
Bitumen content:	45%±5%
Specific gravity:	1.01 ± 0.01
Time between coats:	Minimum 2 hours
Chemical resistance :	
(Test results with some common chemicals)	
Potable water -	Resistant
Sea water -	Resistant
Ground water -	Resistant.

Packaging

18kg pail & 200 kg drums.

Storage

Store in dry and cool place below 35oC. Protect from direct sunlight.

Shelf life

12 months if stored properly in unopened packaging.

Instruction for use

Surface preparation: Surfaces to be coated must be sound, clean and free of oil or grease. Any oil or grease contamination should be removed with a proprietary chemical degreaser. If the surface is dusty, it should be primed with a coat of NanoBitucoat, diluted with an equal quantity of cool, clean water and allowed to dry.

Application: NanoBitucoat may be applied by brush, broom or squeegee. It is recommended that one or two coats should be applied depending on the degree of protection required. Allow a minimum of 2 hours between coats. Where the NanoBitucoat is to take a screed, the second coat should be blinded with clean, dry sharp sand as soon as applied. The excess sand should be brushed off when the coating has dried.

Curing: 7 days

Coverage: 0.5kg/m² (Depends on the substrate)

Cleaning & Disposal

NanoBitucoat may be removed from tools and equipment with water when it is wet. On drying may be removed with NanoSolvent. Do not dispose off in to water or soil but according to local regulations.

Precautions & Limitations

NanoBitucoat is not flammable. NanoSolvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Health & safety

NanoBitucoat contains bituminous material. Possible risk of irreversible effects in contact with skin. Wear suitable protective clothing, gloves and eye / face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur; remove immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately- do not induce vomiting.