

BLUSKY™ FLOWCRYSTAL ADMIX

Crystalline Integral Waterproofing Compound for Cement Concrete and Mortar

Description

BLUSKY™ FLOWCRYSTAL ADMIX Crystalline waterproofing admixture protects and waterproofs concrete structures by crystallization. The active chemicals react with moisture and by product of cement hydrate in the concrete resulting in crystalline formation within the pores and capillary tracts of concrete thus waterproofing the structure against penetration of water and other liquids from any direction. **BLUSKY™ FLOWCRYSTAL ADMIX** gives a strong and lasting waterproofing protection from harsh environmental conditions. **BLUSKY™ FLOWCRYSTAL ADMIX conforms to IS 2645-2003.**

Indicative Characteristics

| Appearance | Without FLOWCRYSTAL ADMIX | With FLOWCRYSTAL ADMIX |
|---|---------------------------|----------------------------|
| Setting Time, Initial, minutes | 126 | 145 |
| Setting Time, Final, minutes | 188 | 180 |
| 3 days compressive Strength, MPa | 27.4 | 28.7 |
| 7 days Compressive Strength, MPa | 42.3 | 45.8 |
| Permeability to Water, % (v/v) of control mix | 100 | 20 |
| Free Chloride Content, % (w/w) | N/A | 0.02 (Max. 0.1% declared) |

Note: 43 grade OPC is used to perform all tests.

Domains of Application

• Foundations • Sewage treatment plants • Tunnels and subway systems • Underground structures • Dams
• Pre-cast structures • Swimming pools and reservoirs
• Plastering of exterior walls • Bridge decks, columns/beams, etc. • Roof and podium slabs.

Method of Application

BLUSKY™ FLOWCRYSTAL ADMIX is to be added to the concrete during batching process subject to the type of batch plant and operation.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

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Normal Dosage

0.8 to 1 % by wt. of cement / cementitious binder.

Curing

Follow normal curing.

Advantages

- Mixed with concrete at the time of batching
- Crack sealing characteristics
- Protects concrete exposed to harsh conditions
- An integral system application
- Cost effective and system and process friendly
- Non-toxic

Packing

20 kg laminated waterproof HDPE bag

Precautions

- Preferably store in sealed conventional containers, protected from extreme weather conditions.
- Clean all tools and application equipment with water before it set. Clean immediately after use. Hardened / cured material can only be mechanically removed.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.bluskyscpl.com

