



## ADDIFLEX-CSH

### Flexible Crystalline Additive for Cementitious Waterproofing

#### Product Description:

Addiflex-CSH is a specialized powdered additive designed to impart flexibility, crack-bridging, and self-healing capabilities to crystalline cementitious waterproofing systems. It works synergistically with hydraulic binders and crystalline active ingredients to form a durable, water-resistant matrix with the ability to bridge microcracks and reactivate under moisture exposure.

The product is engineered for use in site-blended dry mix waterproofing mortars where enhanced movement tolerance, surface adhesion, and long-term waterproofing performance are required.

#### Key Features & Benefits:

- Enables crack healing up to 0.4 mm
- Compatible with crystalline systems and cementitious binders
- Improves surface adhesion, cohesion, and flexibility
- Promotes moisture-activated self-healing capability
- Enhances durability and resistance to water ingress
- Designed for stable integration into dry mix production

#### Applications Areas:

- Crystalline waterproofing mortars and slurries
- Cementitious coatings for water tanks, STPs, basements, podiums
- Flexible undercoating's in damp or crack-prone concrete structures
- Waterproofing products requiring microcrack self-healing

#### Formulation Guidelines:

Waterproofing coating	Ratio
Cement	50kgs
Silica Sand 40-60 mesh	50 kgs
Addiflex CSH.	6-10 kgs

As Plaster additives	Ratio
Cement	50kgs
Sand	200 kgs
Addiflex CSH.	4-8 kgs





## ADDIFLEX-CSH

### Application Guidelines:

1. Intended for use only as a formulation additive.
2. Not for direct application to concrete surfaces.
3. Ensure dry storage to preserve performance properties.
4. Conduct internal testing when adapting to new binder systems or mix designs.

### Packaging:

25 kg moisture-resistant bags

### Storage & Shelf Life:

- Store in a cool, dry location away from direct sunlight and moisture.
- Reseal opened bags tightly after each use.

### Health & Safety:

This product contains alkaline and cement-compatible components. Use protective gloves and goggles during handling. Avoid inhalation of dust. Use appropriate PPE during handling. [Refer to the Safety Data Sheet \(SDS\) for detailed health and safety instructions.](#)

### Technical Data

Property	Value
Appearance	Light grey to off-white powder
Bulk Density (approx.)	0.94 - 1.06 g/cm <sup>3</sup>
pH (10% dispersion)	11.5 – 12.5
Crack Healing Capability	Up to 0.4 mm
Compatibility OPC	Blended cements, Crystalline actives
Shelf life	12 months (in original sealed packaging)
Packaging	25 kg moisture-resistant bags

