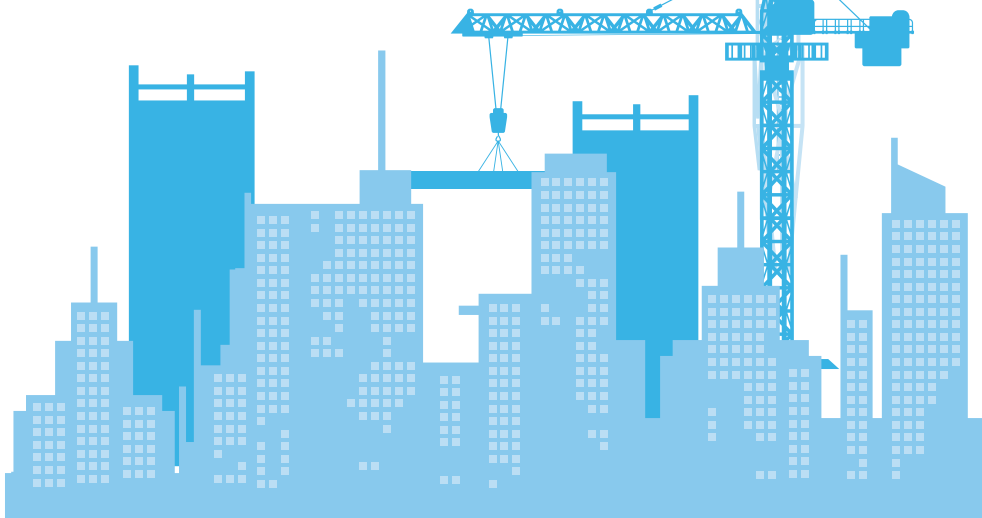
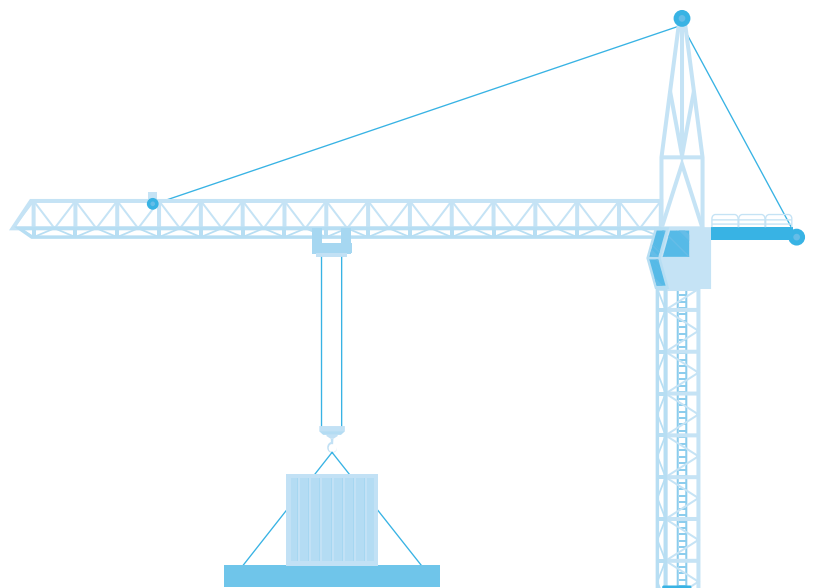




# DRYSTER WP10

## Technical Data Sheet



Contact:  
Phone : +9647500700013  
info@hiti-krd.com  
www.hiti-krd.com



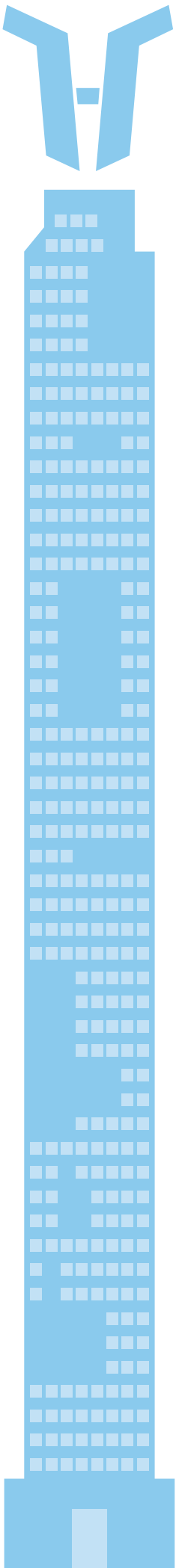
## **DESCRIPTION**

**HITI DRYSTER WP10** is a high-performance, fiber-reinforced, cement-based, ready-mix mortar engineered for a wide spectrum of plastering and repair applications. This advanced product is formulated to deliver consistent results across various environments, incorporating fibers, polymers, and well-graded silica sand to enhance its workability and curing. It features robust waterproofing capabilities, suitable for both positive and negative waterproofing applications, and is designed to resist water absorption effectively. Ideal for use in both internal and external settings, **HITI DRYSTER WP10** ensures exceptional durability and reliability in diverse conditions.

## **USES**

**HITI DRYSTER WP10** is designed for a broad range of applications and can be used with or without reinforcement mats on both concrete and mortar surfaces. It is also compatible with other **HITI mortars**. Its primary applications include:

- **Waterproofing:** Effective for both positive and negative waterproofing applications.
- **Plastering:** Suitable for various plastering needs, including traditional and modern methods.
- **Repairs:** Ideal for repairing damaged surfaces and enhancing durability.
- **Surface Protection:** Provides a reliable barrier against water ingress and environmental wear.



## CHARACTERISTICS / ADVANTAGES

- **Cost and Time Efficient:** Combines two stages of work (plastering and waterproofing) into a single application, reducing both time and costs.
- **User-Friendly Application:** Engineered for ease of use, providing a seamless application process whether applied manually or mechanically.
- **Standards Compliance:** Conforms to Class R3 requirements under EN 1504-3, ensuring superior performance in structural repair and finishing.
- **Adjustable Consistency:** Allows for customization to achieve the ideal workability, catering to specific project requirements.
- **No Bonding Primer Needed:** Simplifies the process by eliminating the need for a bonding primer, enhancing efficiency.
- **Versatile Application:** Adaptable for both manual and mechanical application, offering flexible usage options.
- **Low Shrinkage:** Demonstrates minimal shrinkage, contributing to the durability and longevity of the repairs.
- **Non-Corrosive:** Safe for use across various environments, without posing a risk of corrosion.

## Application Procedure

### **Surface Preparation:**

Ensure that the substrate is sound and free from laitance, paint, oils, grease, and shuttering oils. For smooth surfaces:

- Direct application is possible on clean, dampened concrete surfaces.
- All surfaces should be thoroughly dampened before application

## Mixing:

For optimal results, mix one 25 kg bag of **HITI DRYSTER WP10** with the recommended amount of cold water, ideally below 25°C. Use a low-speed hand drill mixer (below 500 rpm) or a force-action mixer if preparing multiple bags. Gradually incorporate the **HITI DRYSTER WP10** powder into the water, mixing continuously for at least 2 minutes until a uniform consistency is achieved. Allow the mixture to rest for 1 to 2 minutes, then mix again for an additional 20 seconds. The product is now ready for use. Avoid adding extra water or other components after the initial mix to preserve the product's performance and integrity

## Recommendations:

- **Maximum Thickness:** Apply **HITI DRYSTER WP10** in a single layer, not exceeding 10 mm, when ambient temperatures range between 20°C and 25°C under stable weather conditions.
- **Avoid Harsh Conditions:** Refrain from applying the product under direct sunlight or in strong winds, as these can negatively affect curing and adhesion.
- **Strict Adherence to Mixing Ratios:** Follow the specified water dosage without deviation; excess water can undermine the mix's quality.
- **Proper Substrate Preparation:** Ensure the substrate is well-prepared and in sound condition before application.
- **Avoid Extra Water:** Introducing additional water during finishing can lead to discoloration and cracking.
- **Freeze Protection:** Safeguard freshly applied material from freezing temperatures to ensure proper curing.

## Curing

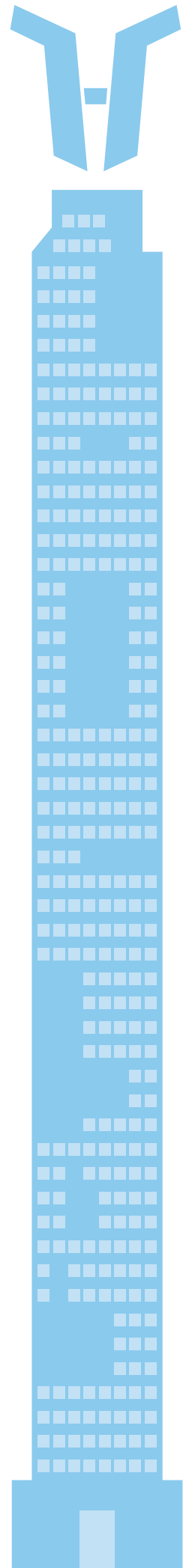
Immediately after application, protect **HITI DRYSTER WP10** from premature drying. Utilize proper curing techniques, such as moist geotextile membranes or polythene sheeting, to maintain ideal curing conditions.

## Shelf Life:

**HITI DRYSTER WP10** has a shelf life of up to 12 months from the production date, provided it is stored according to recommended guidelines.

## Storage

- Store **HITI DRYSTER WP10** in its original, unopened packaging.
- Keep the product in a covered area, away from direct sunlight and extreme temperatures.
- In tropical climates, storing the product in an air-conditioned environment is recommended to maintain its quality.



Property	Value
Color	Grey, upon request
Consistency	Pasty
Packaging	25kg Bags
Mixing Ratio	17% water (4.25 liters for 25kg bag)
Composition	OPC, well graded silica sand, fibers, polymers
Mix Density	1.99 g/cm <sup>3</sup>
Grain Size	Max. 0.6 mm
Wet Mix Life	90 minutes at 20°C
Layer Thickness	Max. 10 mm
Compressive Strength	After 7 Days: 18 MPa After 28 Days: 35 MPa
Resistance to Fire	Class A1

**Contact:**

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