UltraTech
C E M E N T
The Engineer's Choice

WEATHER PRO

To protect strength from dampness,
build with *WEATHER PRO*
Waterproofing System

Preventive Waterproofing Guide

WEATHER PRO **WATERPROOFING SYSTEM**

What is dampness?

Dampness is unwanted moisture that enters the structure of our home. Dampness is the biggest enemy of the strength of the home, which makes our home weak and hollow from the inside.

Why is dampness the biggest enemy of strength?

Dampness causes corrosion of steel and formation of cracks in RCC, which reduces the strength of the structure. This makes our home weak and hollow from inside, eventually affecting its durability.

How can we protect the strength of our home from dampness?

Once dampness enters the structure, it is impossible to get rid of. By the time it is visible, the damage to the strength is already done. Repair work is expensive and provides only temporary relief.

Hence it is necessary to adopt a preventive solution to protect the strength of our home from dampness.

Where does dampness enter from?

Dampness can enter from any part of the home – roofs, walls or even the foundation. It can also enter the structure from wet areas of home like kitchen and bathroom.
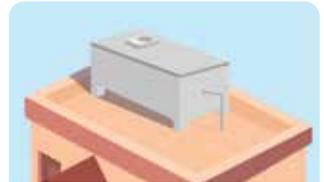
Foundation	Wall	Roof
Bathroom	Kitchen	Water tanks

INTRODUCING ULTRATECH WEATHER PRO WATERPROOFING SYSTEM

UltraTech CEMENT — The Engineer's Choice — **WEATHER PRO**

Only preventive waterproofing when building your home can make your home waterproof from the inside. Use Weather Pro Waterproofing System during construction, to protect your home's strength from dampness and seepage. This system has two components -

1

INTEGRAL WATERPROOFING FOR ENTIRE STRUCTURE

WP+200

Provide Superior Waterproofing Protection against dampness to your entire home

2

DOUBLE PROTECTION OF HIGH-RISK AREAS

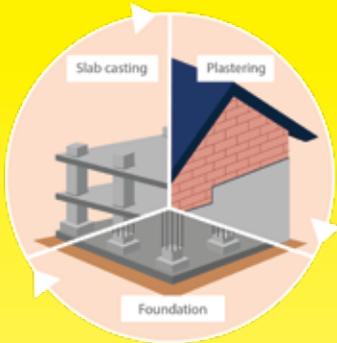**Flex, Hi-Flex & Single Component**

Double protection of high-risk areas in your home, like roofs, terraces, exterior walls, kitchens, and bathrooms.

How do we protect the strength of our home from dampness?

STEP 1

INTEGRAL WATERPROOFING FOR ENTIRE STRUCTURE

Slab casting | Plastering | Foundation

WP+200

STEP 2

DOUBLE PROTECTION OF HIGH-RISK AREAS

Roof | Bathroom

Flex   **Hi-Flex**

WP+200 is a specialist integral waterproofing liquid that is used with cement to provide Superior Waterproofing Protection to your entire home. WP+200 is added to plaster, mortar and concrete applications - from foundation to finishing- so that every corner of your home is protected from the inside. Your entire home resists dampness better and becomes more durable.

Exterior areas like the roof and terrace have to sustain the impact of weather and rain. Similarly, indoor areas like the kitchen and bathrooms, have continuous water contact. There is a high risk of dampness entering into the home from these areas, which damages the strength of the home. For double waterproofing protection of such areas use Flex, Hi-Flex and Single Component.

BENEFITS

Better dampness prevention | Better prevention from rusting | Helps protects structural strength | Higher durability of home | Better prevention from plaster damage

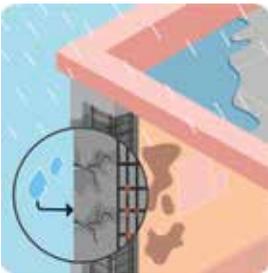**UltraTech** CEMENT
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Dampness can enter the home from anywhere – foundation, roof, walls, or bathroom. Dampness makes the home hollow and weak from the inside, permanently.

UltraTech Weather Pro WP+200 is an integral waterproofing liquid developed at UltraTech Research Lab. Use WP+200 with cement, to provide superior waterproofing protection to every part of your home. Its unique Water Block Technology fills the tiny holes in the concrete, plaster, and mortar, breaking the interconnectivity of capillaries and reducing water penetration.

AREAS OF APPLICATION
Add to plaster, mortar, and concrete from foundation to finishing – foundation concreting, beams, columns, brick joining, external and internal plastering.

BENEFITS OF WP+200

Better dampness prevention	Better prevention from rusting	Enchances concrete strength	Higher durability of home	Denser concrete

HOW TO USE WEATHER PRO WP+200 FOR BEST RESULTS

For effective waterproofing, ensure that the correct dosage and process of application are followed.

DOSAGE

Use 200ml for every 50kg bag of cement

PROCESS OF APPLICATION

1 Mix cement, sand and aggregates, as per the mix design with only 50% of required water for 2-3 minutes.

2 Add WP+200, in the ratio of 200ml per 50 kg cement bag, to the remaining 50% water and stir well.

3 Add the WP+200 water mixture to the prepared concrete, plaster or mortar mix and use it as per need.

Weather Pro WP+200

Available pack sizes
200ml, 1L, 5L, 10L, 20L, 50L, 100L

How do I provide Double protection to high-risk areas using UltraTech Flex or Hi-Flex?
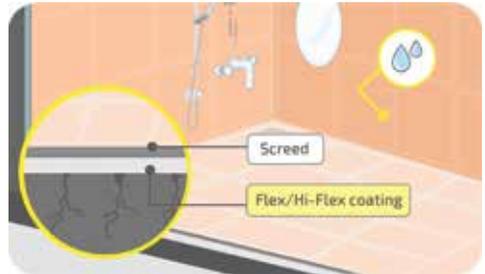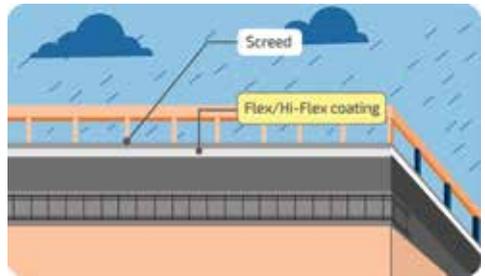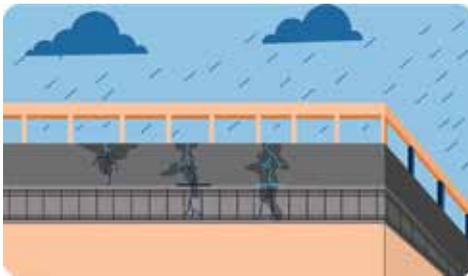
WEATHER PRO

Exterior areas of home like roofs, terraces and walls face the impact of rain and weather. Similarly, interior areas inside the home like bathrooms and kitchens have high water contact. From such areas, there is a high-risk of dampness seeping into the structure.

Use Flex or Hi-Flex for double protection of high-risk areas of the home. These polymer-based waterproofing products form a durable and impervious coating, blocking the entry of dampness into the structure. Flex and Hi-Flex coatings are flexible, elongating up to 50% and 100% respectively*, which reduces the possibility of cracks and makes them long lasting. They can also withstand high water pressure, up to 7 bars, which helps them withstand environmental conditions and high water contact inside the home.

AREAS OF APPLICATION

All positive side exterior applications like terraces, sloping roofs, walls, balconies, and domes. In the interior, walls and floors of wet areas like bathroom, kitchen and sunken areas.

BENEFITS OF FLEX OR HI-FLEX

Better dampness prevention

Better prevention from rusting

Helps protect structural strength

Higher durability of home

HOW TO USE FLEX OR HI-FLEX FOR BEST RESULTS

Average thickness of each coat should be in the range of 0.6-0.7mm per coat.

COVERAGE

Flex:
1 kg of Flex powder and liquid mix should cover 12-14 sq. ft.

Hi-Flex:
1 kg of Hi-Flex powder and liquid mix should cover 14-15 sq.ft.

PROCESS OF APPLICATION

1 Mix the powder and liquid components of Flex and Hi-Flex

2 After surface preparation, apply two coats of Flex or Hi-Flex mix with a gap of minimum 8 hours in between, with the 2nd coat in perpendicular direction to the 1st coat.

3 It is highly recommended to provide a layer of screed or plaster over the waterproofing coat.

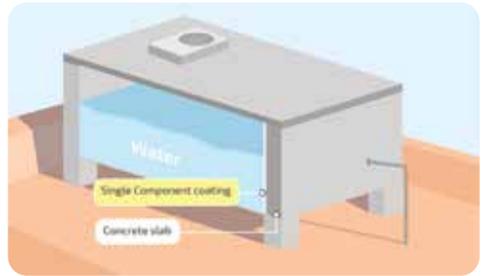| Flex, Available pack sizes	Hi-Flex, Available pack sizes
3kg, 15kg, 30kg	**12kg, 24kg**

* Elongation tested as per ASTM D 412, at 50 kg per sq.cm tensile load @ 1 mm DFT

Hi-Flex

upto**100%** *
Elongation

Flex

upto**50%** *
Elongation

How do I provide Double protection to high-risk areas using UltraTech Single Component?

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Single Component Waterproofing is a specialist waterproofing product for drinking water tanks. It is food-grade approved by CFTRI (Central Food Technological Research Institute) making it safe for storage tanks of drinking water.

AREAS OF APPLICATION
Water tanks and small exterior areas like sloping roofs and terraces.

Water
Single Component coating
Concrete slab

BENEFITS OF SINGLE COMPONENT

Better dampness prevention	Safe for drinking water	Helps Protect structural strength	Higher durability of home	Quick application

HOW TO USE SINGLE COMPONENT FOR BEST RESULTS

COVERAGE

1kg of Single Component mixed with 350-380ml of water should cover 11 sq. ft. in 2 coats with an average thickness 0.7mm per coat.

PROCESS OF APPLICATION

1 As standard waterproofing practice, use WP+200 with cement while casting slabs.

2 After surface preparation, apply two coats of the Single Component mix, with a gap of 2-3 hours in between, with 2nd coat in perpendicular direction to the 1st coat.

3 It is highly recommended to provide a layer of screed or plaster over the waterproofing coat.

Food grade approved By CFTRI

Single Component

Available pack sizes
1kg, 5kg, 25kg

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