

## Application Guidelines

### Related Product Information

- Data Sheet & Material Safety Data Sheet: VANDEX PLUG

### Content

1. Preparation of Substrate
2. Locate Leaks
3. Mixing
4. Climatic Conditions
5. Application Methods
  - 5.1 Plugging of localised water leaks
  - 5.2 Plugging with drains.
6. Consumption
7. Additional Information
8. Health and Safety

### 1. Preparation of Substrate

The substrate must be clean, sound and free of any surface contamination. Localised leaks must be chiseled back to sound concrete, leaving an appropriate chase for receiving the VANDEX PLUG.

### 2. Locate Leaks

If the location of the leaks cannot easily be identified, sprinkle some of the VANDEX PLUG over the surface, following which the leaking spots can be more easily identified.

### 3. Mixing

Setting time is largely dependent on the amount and temperature of the mixing water used. Standard value at 20 °C:

1 kg VANDEX PLUG and approx. 0.25 litre of water. The VANDEX PLUG must be added to the water and mixed swiftly. Mixing time is about 15 seconds. After mixing, setting occurs in about 30 seconds. In cold weather, use lukewarm water to accelerate setting. At high temperatures, use cold water to retard setting.

### 4. Climatic Conditions

Do not apply VANDEX PLUG to frozen substrates. In cold weather, use lukewarm water to accelerate setting. In higher temperatures, use cold water to retard setting.

### 5. Application Methods

#### 5.1 Plugging of localised water leaks

To avoid wastage, only small quantities of VANDEX PLUG should be mixed at a time.

- ◆ After mixing, apply the VANDEX PLUG to the designated area immediately. Work the mixture well into the chase and then hold firmly in place for about 30 seconds. (Wear rubber gloves)
- ◆ Maintain pressure without disturbing the material, until it has set.
- ◆ Remove excess material.
- ◆ Wet the VANDEX PLUG surface and apply a Vandex waterproofing coating in the normal way.

In certain cases it may be advantageous to apply VANDEX PLUG as a dry powder. Place and hold the powder directly over the leak for 30 - 40 seconds. After a few minutes, wire brush the surface to remove any material which has not fully hydrated.

## 5.2 Plugging with drains

To avoid wastage, only small quantities of VANDEX PLUG should be mixed at a time.

- ◆ After mixing, insert a drain (e.g. 3/4" PVC pipe) into the cavity thus diverting the water flow and press the mixed VANDEX PLUG into the hole around the base of the drain and maintain pressure on the plug for at least one minute.
- ◆ Fill the rest of the cavity with VANDEX UNI MORTAR 1.
- ◆ When the VANDEX UNI MORTAR 1 has reached at least 2/3 of its final strength carefully remove the drain and plug the remaining hole as described above. In extreme cases it may be necessary to use more than one drain.

## 6. Consumption

This figure will vary enormously. For localised leaks, assume a consumption of 0.3 kg/water leak

## 7. Additional Information

Tools should be cleaned with water immediately after each use. Plastic containers and tools are recommended whenever possible.

## 8. Health and Safety

VANDEX PLUG contains cement.

Irritating to eyes and skin. May cause sensitization by skin contact. Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves.

For further information please refer to Material Safety Data Sheet.

The information contained herein is based on our longterm experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.