

# ContecSeal WP111

Fast setting mortar to plug active water leaks in concrete. (Water Plug)

## Description

ContecSeal WP111 is a dry powder that mixed with clean water to provide an ultra – rapid setting plugging mortar for active water in concrete and masonry.

## Uses

ContecSeal WP111 is used to stop water leakage or seepage under pressure through cracks, joints and holes in the concrete or masonry. Where normal repair mortars would not bond, ContecSeal WP111 is used in the following applications:

- Provides impervious, non-shrinking seal to prevent seepage around pipes and metal fixtures in masonry and concrete
- Stopping water leakage through defects of substrate
- For rapid anchoring of bolts and plates
- Sealing of construction joints in underground structures
- Sealing construction joints, cracks in reservoirs and other water retaining structures.

## Advantages

- Easy to mix and apply requires the addition of water only
- Ultra rapid setting, immediate plugging of leaks

- Very high early strength
- Dose not contain any chloride
- Expands as it cure ensuring a permanent watertight seal
- Do not promote corrosion in steel reinforcement.

## Standards compliance

ContecSeal WP111 compliance with EN 1504-3; initial Type testing

## Properties

Appearance	Grey powder	
Bulk density	1250 kg/m <sup>3</sup>	
Fresh density	2250 kg/m <sup>3</sup>	
Compressive strength (N/mm <sup>2</sup> )		
@30mins	12.7	
@1day	29.6	
@7days	42.4	
@28days	49.2	
Flexural strength (N/mm <sup>2</sup> )		
@30mins	2.1	
@1day	5.9	
@7days	6.1	
@28days	6.4	
Setting time 50% R.H (mins)	Pot life	drying
	1-1.5	3-4

Any change in temperature and humidity would affect the pot life and drying time.

## ***Preparation of the Surface***

- All surfaces must be clean and sound.
- The existing cracks and spaces should be cut into a V shape with a minimum width of 20mm at the surface for optimum result.

## ***Mixing***

First place the water in clean pail. Slowly add **ContecSeal WP111** to the water and continuously to mix making the mortar. **ContecSeal WP111** recommends using 1 part water to 3-part powder. It is recommended to mix small amounts in order to decrease waste materials as this product has a very fast setting characteristic.

## ***Application***

### **I. Construction Joint Sealing**

Open the construction joint with minimum 20mm width and depth or until reaching the well compacted concrete. Remove any unwanted materials. Fill the joint appropriately with **ContecSeal WP111**.

### **II. Active Water Leaks Repair**

Take the mixed **ContecSeal WP111** with your hand and shape it into a conical shape. After that apply to the leaking area in one step while pushing lightly on the material for at least 1 mint. If the space is too large to be filled in one time, then repeat this process by going from the edges of the space to its center.

During application **ContecSeal WP111** will heat up, which is normal condition during high chemical reactions.

## ***Cleaning of tools***

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

## ***Packaging***

**ContecSeal WP111** is available in 4 kg pail.

## ***Shelf Life/ Storage***

**ContecSeal WP111** has a shelf life of 12 months if stored in dry conditions in unopened original pail.

## ***Safety Precautions***

**ContecSeal WP111** is non- hazardous material. It should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn.

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