

# Waterproof Concrete With Site Supervision Ltd

*Because concrete isn't waterproof without experienced, close supervision.*

## Stop Leaks Through Concrete.



Thoro Waterplug from BASF.

It is a ready-mixed mortar that will be waterproof and will set in about 30 seconds to completely stop a flow of water.

If you want more working time, mix in some dry plastering sand before you add the water.

1. Create a channel deep enough to push the mortar into in two separate layers.
2. If the leak is at the bottom of a wall, waterproof the rest of the wall first in a cheaper and easier way such as waterproof render.

Ensure the site is free of all loose matter, dirt and dust.

3. Only mix up a small handful at a time, this is something like the size of a golf ball.

Waterplug should be mixed fast and vigorously. At the first sign of hardening the mixed paste should be pushed into and held firmly in place without any further working until it has bonded and set.



Use warm water in cold situations.

Slight flows can be stopped with neat powder held in place to soak up water until set.

In many situations, the area of the leak is reduced gradually by overlapping balls of Waterplug mortar patiently applied one after the other.

There is no doubt Waterplug will stop all leaks through all kinds of concrete and masonry, but it might take time and the build up of many batches of Waterplug could end up being in the way of the next stage of construction, e.g. a bulky repair at the bottom of the wall could prevent studwork being built where shown on the drawings.

So be mindful when chiselling out the chase how deep you need it to be.

Part of the secret in using Waterplug is to hold each batch firmly in place. This can be much easier in a hole or a channel.

The work of stopping a serious leak can be made much easier, and the site of the repair can cause far fewer problems later, if a hole or channel is cut into the site first.

Aim for the hole or channel to be deeper than wide. 15mm wide and 30mm to 40mm deep can be ideal. In this way the leak can be dramatically slowed without quite filling the hole up. The flow can be stopped completely by a second layer spread over the joints in the repairs below without over-filling the pre-prepared hole or channel.

In this photo, provided by a very satisfied customer, you can see repairs on the left and how that section of wall has already dried out completely even before all the other leaks have been repaired.

