



# CONCRETE

## Sika<sup>®</sup> WT SERIES

WATER RESISTING AND CRYSTALLINE WATERPROOFING CONCRETE ADMIXTURE

BUILDING TRUST



# EXCELLENCE IN WATERPROOF CONCRETE WITH Sika® WT Series

## SIKA SOLUTIONS FOR WATERTIGHT CONCRETE SYSTEM

The Sika® Watertight Concrete System offers a comprehensive solution for watertight structures. The system consists of concrete that has been specially modified with Sika admixtures to produce waterproof concrete; and carefully selected waterstops for construction and movement joints. Watertight concrete structures can be designed to keep water in or out or both. The need to maximize design flexibility has led clients and specifiers to look below ground as an alternative, whether for basement parking or a habitable environment.

## STRUCTURES AND APPLICATIONS

The Sika® Watertight Concrete System can be used for all types of below-ground structures, including habitable basements, car parks and areas for business use. As with all below-ground structures, adequate ventilation and air conditioning should be appropriate to the intended use.

According to the EN 12390-8 the waterpenetration depth tests has to be conducted over 72 hours with a water pressure of 5 bar. In order to gain knowledge after these three days the same tests have been performed with extended testing time up to 28 days. The above graph shows the results of these extended tests.

Keeping water OUT	Keeping water IN
Basement	Swimming pools
Habitate basements	Water retaining structures
Parking garages	Dams
Utility/plant rooms	Water structures
Tunnels	Waste water treatment structures

## BENEFITS OF THE Sika® WT Series

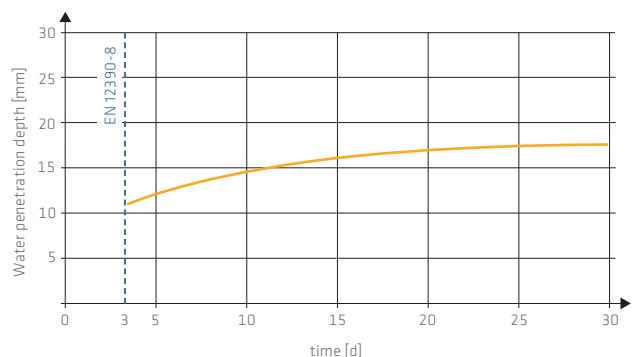
The use of Sika® WT series in waterproof concrete results in the following advantages:

- Increase in service life of the construction
- Significantly improved durability and sustainability of the hardened concrete
- Ensured watertightness without other expensive measures
- Reduced maintenance costs
- Sika® WT-200 series additionally enhances the self-healing properties of concrete and promotes the ability to heal concrete cracks

## WATER RESISTING ADMIXTURE

Sika® WT series is based on two technologies:

- Sika® WT-100 series, Sika pore blocking technology
- Sika® WT-200 series, Sika crystalline & pore blocking technology



Our most current General Sales Conditions shall apply. Please consult the Data Sheet prior to any use and processing.

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