

# Technical Data Sheet

## StoDivers Hydroban

Hydrophobic pore-blocking admixture for concrete and mortar



### Characteristics

- Area of application**
- Watertight concrete structure, marine structure, water & sewerage treatment plant.
  - Commercial: Underground parking structure, foundation, elevator pit & retaining wall, water feature and swimming pool
  - Industrial : Water containment reservoir, water treatment tanks and sewerage, traffic tunnels, below-ground pipelines, precast panel or integrated building system (IBS)
  - Residential : Concrete home basement and swimming pool

- Properties**
- Integral Protection ensuring reduced permeability throughout the concrete
  - Significantly reduces surface absorption
  - Increased water-tightness.
  - Increased durability
  - Safe for contact with potable water

- Application method**
- Pre-mix into the concrete

### Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Color		brownish	
Form		liquid	
Depth of penetration	BS EN 12390-8	11 mm	
Water absorption	EN 1881 : Part 122	1 %	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

### Application

- Material Preparation**
- The substrate to be treated must be dry, clean and free from dust, dirt, grease, moss, lichen or any other deleterious matters.
- A pre-pour conference and test with the S.O, main contractor, forming contractor, finisher and concrete supplier is strongly recommended.

### Application Procedure

#### Mix Design Guideline

Stir well StoDivers Hydroban, before mixing.

Dose minimum 6 litres of StoDivers Hydroban to maximum dosage of 8 litres per cubic meter of concrete.

Cement content minimum of 350 kg/m<sup>3</sup>.

Water/Cement ratio maximum 0.45.

#### Placing

Place and finish the concrete in accordance with ACI guidelines.

# Technical Data Sheet

## StoDivers Hydroban

Application	
<b>Curing</b>	Always follow good curing practice such as ACI Guidelines (ACI 308) or equivalent. If curing compound is used, it must conform to ASTM C309 or equivalent.
<b>Consumption</b>	The consumption rate is approximately 6 - 8 lit/m <sup>3</sup> concrete
<b>Application Temperature</b>	Minimum application temperature + 8 °C Maximum application temperature + 45 °C
<b>Cleaning Tools</b>	Tools can be cleaned immediately after use with water.
<b>Limitations</b>	The use of StoDivers Hydroban will not make poor quality concrete waterproof.
Delivery	
<b>Colour</b>	Brownish liquid
<b>Packing</b>	StoDivers Hydroban is available in 20 litres StoDivers Hydroban is available in 205 litres StoDivers Hydroban is available in 1000 litres
Storage	
<b>Storage life / conditions</b>	The shelf life of StoDivers Hydroban in unopened and undamaged packaging is approximately 12 months if stored in cool dry conditions. Keep away from direct sunlight.
Special notes	
<b>Health &amp; Safety</b>	Please refer to Safety Data Sheet
<b>Technical Support</b>	Please consult the local sales office for further information and any site assistance required.

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on [www.sto-sea.com](http://www.sto-sea.com).

**Sto SEA Pte Ltd**  
 159 Sin Ming Road  
 #06-02 Amtech Building  
 Singapore 575625  
 Phone: +65 6453 3080  
 Fax : +65 6453 3543  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Sdn Bhd**  
 28, Jalan Rajawali 3  
 Bandar Puchong Jaya,  
 47170 Selangor, Malaysia  
 Phone: +60 3 8080 9066  
 Fax: +60 3 8080 9255  
[info.my@sto.com](mailto:info.my@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Pte Ltd**  
 3656/49-52 Green Tower, 16<sup>th</sup> Floor  
 Rama IV Rd, Klongton, Klongtoei,  
 10110 Bangkok, Thailand  
 Phone: +66 2 1684 921 Ext. 230  
 Fax: +66 2 1684 999  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**StoCretec GmbH**  
 Gutenbergstr. 6  
 65830 Kriftel,  
 Germany  
 Phone: +49 6192 401 104  
 Fax: +49 6192 401 105  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

\*Product images may differ from the actual product.