

# TEGOSIVIN® HE 328

## Product description

TEGOSIVIN® HE 328 is a solvent-free emulsion based on reactive organo-modified siloxanes and silanes.

## Physical properties

Appearance	milky, white
Active content	49 – 51 %
Density (25 °C)	0.95 – 0.97 g/cm <sup>3</sup>
Diluent	water
Viscosity (ISO cup 3 mm/23 °C)	40 – 55 s

This data is not subject of specification

## Application

TEGOSIVIN® HE 328 works as a water repellent for various building materials. It can be applied either directly to the building material matrix as an admixture or for post application to the surface of the final building material.

- Admixture for concrete, mortar and other cement based formulations
- Pre-treatment of building materials (e.g. clinker, fiber cement boards, light weight fillers)
- Injected damp-proof course (DPC, horizontal barrier) for brick, stone and concrete walls
- Treatment of brick, stone and concrete facades

## Properties/Benefits

In addition to durable protection from water-induced damages TEGOSIVIN® HE 328 and formulations thereof, provide:

- Effective protection against water
- Reduced primary and secondary efflorescence of building materials
- Protection against de-icing salts
- Reduced corrosion of steel reinforced concrete
- A non-tacky finish with stain release effect
- Alkali resistance
- Reduction in heat conductivity and thus, improved thermal insulation
- No reduction of water vapour permeability
- In most cases no change in surface appearance
- Solvent-free and low VOC

## Dosage and Handling

For the production of ready-to-use formulations TEGOSIVIN® HE 328 may be diluted up to 5 – 25 % active content depending on the intended use.

For the use as efflorescence control and water repellent in admixture applications dosage may vary from 0.1–1.0 % TEGOSIVIN® HE 328 referred to cement. TEGOSIVIN® HE 328 can be added directly to the mixing water or to the mortar/concrete blend at the end of the mixing process.

For post application it is recommended to evaluate the required dosage by means of representative test areas prior to final impregnation. Suitable dilution ratios are 1 : 4 up to 1 : 9 with demineralized water as diluent.

Dilutions of TEGOSIVIN® HE 328 have to be protected by adding a suitable preservative (e. g. Actacid MBS from Thor Specialties Ltd.). We also recommend stirring TEGOSIVIN® HE 328 and formulations thereof, prior to use.

### Registration status

The ingredients of TEGOSIVIN® HE 328 are listed in the following chemical inventories:

EINECS/ELINCS, TSCA, DSL, ENCS, AICS, TCCL, PICCS, IECSC, ECS

Further information is available on request.

### Storage stability

TEGOSIVIN® HE 328 may be stored in closed container for at least 12 months. The product has to be stored under frost-free conditions; storage temperature should not exceed 35 °C.

### Packaging

Pallet à 450 kg (9 x 50 kg plastic drums)  
Pallet à 800 kg (4 x 200 kg plastic drums)  
Container à 1 000 kg

### Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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### Trademark notice and legal notice

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