

Product Information

TEGOSIVIN® HE 328

PRODUCT DESCRIPTION

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

Typical Properties

Property	Unit	Value
Appearance		Milky, white emulsion
Density	g/cm ³	0.95-0.97
Diluents		Water
Viscosity	mPa·s	40-55
ISO-Becher, 3mm, 23 °C		

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

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 cementitious 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

Product Composition

Product Composition	Unit	Value
Active Content	wt%	49-51

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

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

- Reduced primary and secondary efflorescence of building materials
- Good beading effect. No performance loss over time
- Protection against de-icing salts
- Reduced corrosion of steel reinforced concrete
- A non-tacky finish with stain release effect
- Alkali resistance
- Reduction of heat conductivity and thus, improved thermal insulation
- Reduction of capillary absorption of the building after treatment without clogging pores
- No reduction of water vapour permeability
- In most cases no change in surface appearance
- Solvent-free and low VOC

DOSAGE

For preparation 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.

For post application it is recommended to evaluate the optimum 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.

HANDLING & PROCESSING

TEGOSIVIN® HE 328 can be added directly to the mixing water or to the mortar/concrete blend at the end of the mixing process.

Dilutions of TEGOSIVIN® HE 328 have to be protected by adding a suitable preservative (e. g. Acticide® MV, Acticide® B 20, Thor GmbH). We also recommend stirring TEGOSIVIN® HE 328 and formulations thereof, prior to use.

PACKAGING

Pallet a 450 kg (9 x 50 kg plastic drums)

Pallet a 800 kg (4 x 200 kg plastic drums)

Container a 950 kg

STORAGE

TEGOSIVIN® HE 328 may be stored in closed container for at least 6 months. The product has to be stored under frost-free conditions; storage temperature should not exceed 35°C.

HAZARDOUS SUBSTANCE

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.

REGISTRATION LISTING SUMMARY

Based on the submitted information of our raw material suppliers we can confirm, that TEGOSIVIN® HE 328 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of TEGOSIVIN® HE 328 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Australia (AIIC)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

Disclaimer

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