

Product Information

SITREN® Selfheal 455

PRODUCT DESCRIPTION

SITREN® Selfheal 455 is a formulation in powder form based on natural microbes, nutrients and surface active ingredients.

Typical Properties

Property	Unit	Value
Appearance		Free-flowing beige powder
Bulk Density	kg/m ³	550-650
Color		Beige

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

SITREN® Selfheal 455 is a self-healing agent to be used for the manufacturing of ready-to-use concrete and precast concrete elements.

The concrete has to be in contact with moisture and/or water. Typical applications are groundwater retaining basement walls, water reservoirs, tunnels, bridges, pipes, dams etc.

BENEFITS & ADVANTAGES

- Repeated healing of cracks and pores
- Densified concrete and mortar matrices lead to higher compressive strength
- Lower water penetration – improved freeze-thaw resistance
- Saving cost and time for building repair and maintenance
- Elongation of the lifetime of a building reduces concrete waste and CO₂ emissions
- Smooth surface finish and excellent workability properties

DOSAGE

1 % based on cement content

HANDLING & PROCESSING

SITREN® Selfheal 455 needs to be added to the concrete at the end of the mixing procedure. Mixing to be continued for at least 5 minutes. Manual dosage directly into the concrete mixer truck is also possible.

PACKAGING

Pallet at 300 kg (20 x 15 kg)

SHELF LIFE

SITREN® Selfheal 455 can be stored in original and closed container for minimum 12 months. It should be stored at a temperature between 10-30 °C. Access of moisture must be avoided.

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

The relevant components of SITREN® Selfheal 455 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
EU (EINECS/ELINCS)	Yes
New Zealand (NZIoC)	Yes
USA (TSCA)	Yes

Disclaimer

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