

Product Information

SITREN® PSR 100

PRODUCT DESCRIPTION

SITREN® PSR 100 is a powdered shrinkage reducing additive. The active components are organic alcohols on an inorganic carrier.

Typical Properties

Property	Unit	Value
Appearance		White/yellowish, free flowing powder
Bulk Density	kg/m ³	500-700

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

In cementitious mortar and concrete formulations SITREN® PSR 100 reduces the surface tension of pore water. As a result it provides the following benefits

- SITREN® PSR 100 reduces significantly the drying shrinkage and the plastic shrinkage
- SITREN® PSR 100 reduces the magnitude of capillary stresses and shrinkage strains
- SITREN® PSR 100 improves the crack resistance and limits the risk of deformation and debonding
- SITREN® PSR 100 can significantly improve the resistance to chloride ion diffusivity
- SITREN® PSR 100 has no negative effect on the workability

TYPICAL APPLICATIONS

SITREN® PSR 100 reduces the drying shrinkage of cementitious, dry-mix and specialty mortar formulations, that can occur when the formulation is losing moisture during the drying process. Main applications are

- Self-levelling mortars (SLU/SLO)
- Flowable screeds
- Tile adhesives
- Non-shrink grouts
- Repair mortars
- Waterproofing membranes
- Powder paints

Product Composition

Product Composition	Unit	Value
Moisture Content, max.	wt%	5

The data represents typical values (no product specification)

DOSAGE

Recommended dosage rates are between 0.2 - 2 wt. % with respect to the solid content of the mortar, dry mix or concrete formulations. Suitable screening tests are recommended prior to use.

HANDLING & PROCESSING

It is recommended to pre-mix the SITREN® PSR 100 powder with all other dry components by using standard mixing devices.

PACKAGING

15 kg paper bags, pallet size 540 kg (36 x 15 kg)

Pallets should be stacked two high maximum.

SHELF LIFE

SITREN® PSR 100 may be stored in closed bags for at least 12 months; storage temperature should not exceed 35 °C. Longer storage times may cause lumping which normally does not affect the performance of the product.

Long-term storage in silos has to 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

Based on the submitted information of our raw material suppliers we can confirm, that SITREN® PSR 100 is compliant with EC Regulation 1907/2006 (REACH).

Further information is available on request.

The relevant components of SITREN® PSR 100 are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
Australia (AICIS)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
Korea (KECL)	Yes
New Zealand (NZIoC)	Yes
Philippines (PICCS)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

Disclaimer

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