

Product Information

SITREN® PSR 105

PRODUCT DESCRIPTION

SITREN® PSR 105 is a powdered shrinkage reducing additive. The active components are organic alcohols on an inorganic carrier.

Typical Properties

Property	Unit	Value
Appearance		White, free flowing powder
Tamped Density	g/l	600

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Multipurpose SITREN® PSR 105 effectively reduces the drying shrinkage in a wide variety of different binder systems. Main applications are

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

Product Composition

Product Composition	Unit	Value
Moisture Content, max. Karl Fischer	wt%	4

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

SITREN® PSR 105 functions by reducing capillary tension of pore water, a primary cause for drying shrinkage.

In addition, SITREN® PSR 105 provides the following benefits

- Superior reduction of drying as well as plastic shrinkage
- Reduced potential for slab curling
- Good workability properties
- Reduces the magnitude of capillary stresses and shrinkage strains
- Improved impermeability and durability
- Excellent long-term stability in dry mortar formulations
- Easy-to-use powder (not hygroscopic)

DOSAGE

Recommended dosage rates are 0.2 - 2 wt.% referred to total amount of dry components. Suitable screening tests are recommended prior to use.

HANDLING & PROCESSING

For production of the dry mix mortar SITREN® PSR 105 needs to be blended with the other dry ingredients by using standard mixing devices.

PACKAGING

Pallet à 540 kg (36 x 15 kg paper bags)

500 kg Big Bag

Pallets should be stacked two high maximum.

SHELF LIFE

SITREN® PSR 105 may be stored in closed bags under dry conditions and below 35 °C for at least 12 months. It will remain safe to use for a longer period of time. Longer storage times may cause lumping which normally does not affect performance of the product. However, product quality has to be verified by appropriate tests then.

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 105 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of SITREN® PSR 105 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Australia (AIC)	Yes
Canada (DSL)	Yes

Registration Listings

Registry	Status
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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