

## 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
<b>Appearance</b>		White, free flowing powder
<b>Tamped Density</b>	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
<b>Moisture Content, max.</b>	wt%	4

The data represents typical values (no product specification)

## BENEFITS &amp; 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 &amp; 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
<b>China (IECSC)</b>	Yes
<b>EU (EINECS/ELINCS)</b>	Yes
<b>Japan (ENCS)</b>	Yes
<b>South Korea (KECL)</b>	Yes
<b>New Zealand (NZIoC)</b>	Yes
<b>Philippines (PICCS)</b>	Yes
<b>Taiwan (TCSI)</b>	Yes
<b>USA (TSCA)</b>	Yes

## Registration Listings

Registry	Status
<b>Australia (AIIC)</b>	Yes
<b>Canada (DSL)</b>	Yes

### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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