

## Product Information

## SITREN® SRA L 210

## PRODUCT DESCRIPTION

SITREN® SRA L 210 is a non-chloride, liquid shrinkage reducing admixture based on a polyether. It significantly reduces drying and plastic shrinkage and minimizes the risk of cracking thereof.

## Typical Properties

Property	Unit	Value
<b>Appearance</b>		Colorless to yellowish, clear liquid
<b>Flash Point, min.</b>	°C	160
DIN EN 22719		
<b>Viscosity</b>	mPa·s	70-120
at 25°C		

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

SITREN® SRA L 210 functions by reducing surface tension of pore water and thus, decreasing the capillary pressure. Overall, the resultant shrinkage strain is reduced.

- Superior reduction of drying and plastic shrinkage limiting the risk of cracks, deformation and debonding
- Low impact on air void content of the concrete - good workability properties
- No impact on set time and early strength development of the cement
- Improved impermeability and durability of concrete reduce maintenance and refurbishments costs
- Very low contribution to VOC (volatile organic compound) allows to formulate final products that meet e.g. EMICODE EC1<sup>PLUS</sup> regulation
- Reduced potential for slab curling

Further information is available on request.

## TYPICAL APPLICATIONS

SITREN® SRA L 210 is recommended for the following applications

- Flowable screeds
- Concrete floors
- Self-compacting concrete
- Durable concrete
- Concrete elements
- HPC/UHPC ([ultra] high performance concrete)

## Product Composition

Product Composition	Unit	Value
<b>Active Content</b>	wt%	100

The data represents typical values (no product specification)

## DOSAGE

Recommended dosage rates of SITREN® SRA L 210 are 0.5-3 wt. % referred to cement. Suitable lab and field trials are recommended prior to use.

## HANDLING &amp; PROCESSING

The required dosage should be added to the concrete with the mixing water or poured into the concrete simultaneously.

## PACKAGING

Pallet à 800 kg (4 x 200 kg drums)

Container à 1 000 kg

## SHELF LIFE

SITREN® SRA L 210 should be stored under dry conditions between 5 °C and 30 °C for at least 12 months. It will remain safe to use for a longer period of time. However, product quality has to be verified by appropriate tests then.

## 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® SRA L 210 are listed/registered or exempt in the following chemical inventories.

Registration Listings	
Registry	Status
<b>EU (EINECS/ELINCS)</b>	Yes
<b>Japan (ENCS)</b>	Yes
<b>Philippines (PICCS)</b>	Exempted Possibility of a polymer exemption
<b>USA (TSCA)</b>	Yes SNUR applies

### 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.

### Evonik Operations GmbH

Interface & Performance  
Goldschmidtstraße 100  
45127 Essen, Germany  
Phone Europe +49 201 173-2665  
Phone Asia +86 21 61191 125  
Phone Americas +1 804 727 0700  
[interface-performance@evonik.com](mailto:interface-performance@evonik.com)  
[evonik.click/interface-performance](http://evonik.click/interface-performance)