

## Product Specification

## SITREN® SRA L 220

**Product description**

SITREN® SRA L 220 is a non-chloride, liquid shrinkage reducing admixture based on a poly-ether. It significantly reduces drying shrinkage and contractions within the matrix. Therefore, the risk of cracking is minimized.

**Physical properties**

Appearance	Clear yellow liquid
Active content	99 - 100 %
Viscosity (DIN 53019, 25 °C)	50 - 200 mPas
Flash point (DIN EN 22719)	> 160 °C

This data is not subject of specification.

**Application**

SITREN® SRA L 220 is recommended for the following applications:

- HPC/UHPC
- Concrete elements
- Durable concrete
- Low w/c high strength types of concrete
- Screeds

**Properties/Benefits**

SITREN® SRA L 220 functions by reducing surface tension of pore water and thus, decreasing the capillary pressure. Overall, the resultant shrinkage strain is reduced.

- Very low contribution to VOC (volatile organic compound) – allows to formulate final products that meet e. g. EMICODE EC1PLUS regulation. Further information is available on request.

- Superior reduction of drying shrinkage
- Reduced potential for slab curling
- 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.

**Dosage and Handling**

Recommended dosage rates of SITREN® SRA L 220 are 0.5 - 2.5 wt. % referred to cement. The required dosage should preferably be poured onto the dry concrete ingredients (cement, aggregates) or added with the mixing water. Suitable lab and field trials are recommended prior to use.

**Registration status**

The ingredients of SITREN® SRA L 220 are listed on the following chemical inventories:

EINECS/ELINCS, PICCS

Further information is available on request.

**Storage stability**

SITREN® SRA L 220 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.

**Packaging**

25 kg pails (12 x 25 kg pallet)  
200 kg drums (4 x 200 kg pallet)

## Hazardous goods classification

### 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.

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