

Product Information

SITREN® SRA L 220

PRODUCT DESCRIPTION

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

Typical Properties

Property	Unit	Value
Appearance		Colorless to yellowish, clear liquid
Flash Point, min.	°C	160
DIN EN 22719		
Viscosity	mPa·s	50-200
at 25°C		

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

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.

- Superior reduction of drying shrinkage limiting the risk of cracks, deformation and debonding
- 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^{PLUS} regulation
- Reduced potential for slab curling

Further information is available on request.

TYPICAL APPLICATIONS

SITREN® SRA L 220 is recommended for the following applications

- HPC/UHPC (ultra high performance concrete)
- Concrete elements
- Durable concrete
- Flowable screeds

Product Composition

Product Composition	Unit	Value
Active Content	wt%	100

The data represents typical values (no product specification)

DOSAGE

Recommended dosage rates of SITREN® SRA L 220 are 0.5-2.5 wt. % referred to cement. Suitable lab and field trials are recommended prior to use.

HANDLING & PROCESSING

The required dosage should preferably be poured onto the dry concrete ingredients (cement, aggregates) at the end of mixing process or added with the mixing water.

PACKAGING

25 kg pails (12 x 25 kg pallet)

200 kg drums (4 x 200 kg pallet)

1000 kg IBC

SHELF LIFE

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.

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® SRA L 220 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of SITREN® SRA L 220 are listed/registered or exempt in the following chemical inventories:

EINECS/ELINCS, Philippines*

*Possibility of a polymer exemption

Registration Listings	
Registry	Status
EU (EINECS/ELINCS)	Yes
Philippines (PICCS)	Exempted

Disclaimer

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