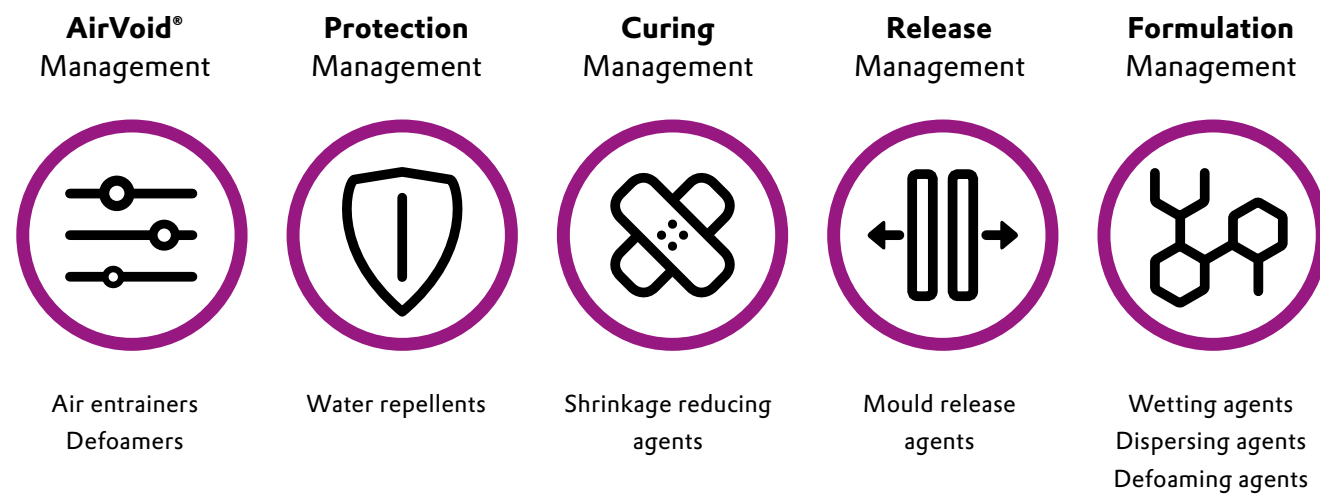


At a glance.

Process and Performance Additives for the concrete admixture industry



SITREN®

SITREN AirVoid®

TEGOSIVIN®

All five management systems and their associated activities and products address the two following areas of application:

- **Admixtures**, additives for concrete
- **Industrial building materials**, additives for e.g. insulating materials and fillers

We understand our customers' challenges, including the requirements their products have to meet, and their manufacturing processes. In addition, we offer a broad product portfolio, extensive experience and specialized technical expertise, plus our in-depth knowledge of applications and markets.

At the same time, we are dedicated to protecting the environment, and to sustainable socioeconomic development. With more than thirty years' experience in product design, we continuously improve and evolve our products. **As a result, our solutions set new standards in terms of efficiency and performance.**



<https://www.evonik.com/construction-chemicals>

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SITREN®

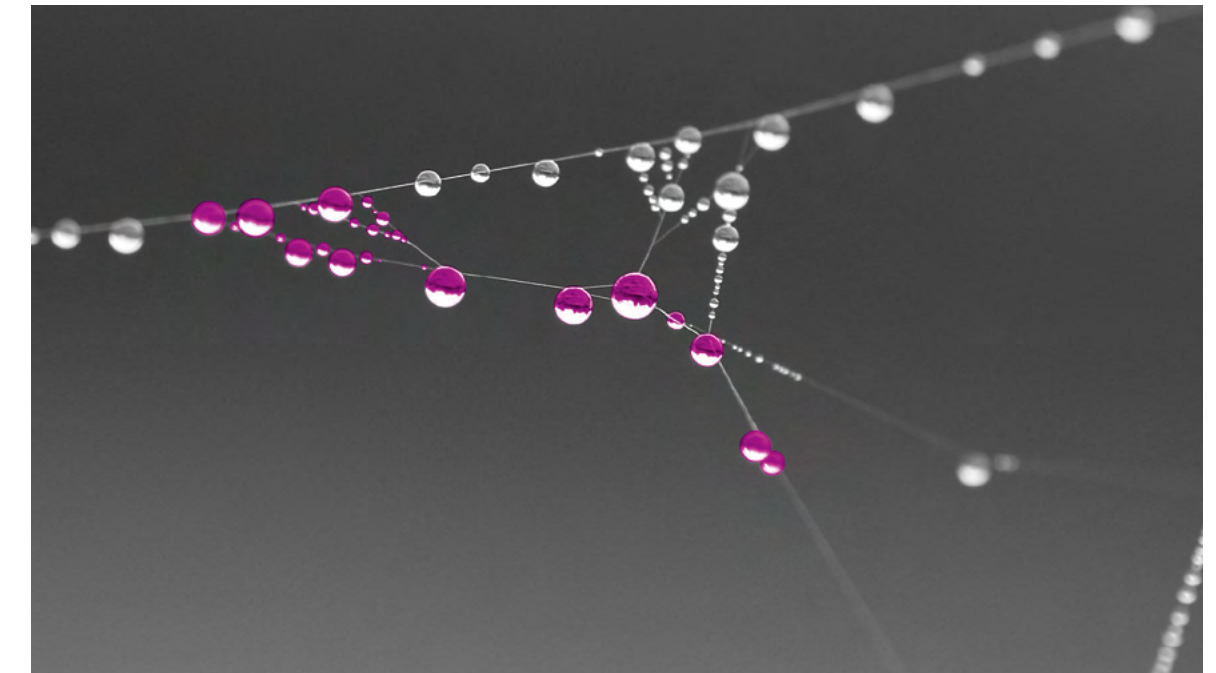
SITREN AirVoid®

TEGOSIVIN®

MIXED TO RESIST.

Liquid additives for the concrete admixture industry

Product portfolio and applications



	AIR VOID MANAGEMENT							
	DEFOAMER							
	SITREN AirVoid® 305	SITREN AirVoid® 307	SITREN AirVoid® 312	SITREN AirVoid® 320	SITREN AirVoid® 321	SITREN AirVoid® 322	SITREN AirVoid® 325	
CHEMICAL NATURE	Nonionic surfactant	Emulsion of organo-modified siloxanes	Nonionic surfactant	Nonionic surfactant	Nonionic surfactant	Nonionic surfactant	Nonionic surfactant	
SOLID CONTENT in %	100	20	100	100	100	100	100	
DOSAGE in %	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	0.1–1.0 by weight of superplasticizer	
PRODUCT PROPERTIES								
Air entrainment								
Workability	++	+	++	++	++	++	+	
Defoaming	++++	++	+++	+++	+++	+++	++++	
Compatibility	++	++	+++	+++	+++	+++	++	
Surface appearance	++++	+++	+++	+++	+++	+++	+++	
Dispersing effect	+++		+++	+++	+++	+++	+++	
Wettability	+++		+++	+++	+++	+++	+++	
Improvement of mechanical properties	++++	+++	++++	++++	++++	++++	++++	
Durability	++++	++++	++++	++++	++++	++++	++++	
Yield efficiency								
Improved insulating properties								
Freeze-thaw resistance								
Efflorescence control								
Hydrophobic effect								
Beading effect								
Dilution stability								
Shrinkage reduction								
Low bending								
Release properties								
Corrosion protection								
PRODUCT BENEFITS								
				+ suitable	++ good	+++ very good	++++ optimal	+++++ excellent
Polycarboxylate ether (PCE)	● ● ●	●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	
Lignosulphonate	● ● ●	● ●	● ● ●	● ●	● ●	● ●	● ● ●	
Sulphonated naphtalene formaldehyde (SNF)	● ●	● ● ●	● ●	● ●	● ●	● ●	● ● ●	
Sulphonated melamine formaldehyde (SMF)	● ●	● ● ●	● ● ●	● ●	● ●	● ●	● ● ●	
Blends (e.g. PCE – lignosulphonate)	● ● ●	● ●	● ● ●	● ●	● ●	● ●	● ● ●	

● suitable

● ● ● highly recommended

[illegible]

 suitable

Further product recommendations are available on request.