

**PAINTS & COATINGS** | AMERICAS

# CONCRETE COATINGS

Water-based polymers for  
concrete protection



**ZSCHIMMER & SCHWARZ**



# CHEMISTRY TAILOR-MADE

Zschimmer & Schwarz is a global supplier of chemical auxiliaries and specialties headquartered in Lahnstein near Koblenz, Germany. The family business was founded in Chemnitz in 1894 and is positioned across industries with different business divisions.

Our core business is the development, production and supply of tailor-made chemical auxiliaries for the leather, fur, ceramic, textile and chemical fiber industries. Manufacturers of cleaning agents, personal care products, paints and coatings, lubricants and industrial applications all over the world trust in the company's chemical specialties as well.

## A FAMILY BUSINESS WITH A GLOBAL FORMULA FOR SUCCESS

The corporate group Zschimmer & Schwarz comprises 30 companies in 17 countries on five continents, 22 of which have their own production facilities. Our customers can always rely on a uniform quality standard worldwide and equally on the high service orientation of our local experts.

## BRINGING YOUR IDEAS TO THE SURFACE

The portfolio of the Paints & Coatings Division serves a wide range of end-use applications from the industrial coatings and graphic arts sectors. We offer technologies and materials for the treatment and coating of surfaces such as wood, paper, metal, textile and concrete for best results. Innovative polymer technologies, tailored to the application and requirements of our customers, provide the necessary "plus" in the formulation. As specialists in environmentally conscious, water-based polymers, we offer optimized customer solutions with the highest standards of quality and cost-effectiveness, which we are producing at our sites in Europe, North America and Asia.

Whether it's raw materials or tailored and ready-to-use customer solutions – we will help you find the right products. We will happily accompany you on the way to your formulation in order to jointly create added value for your customer.





# CONCRETE COATINGS

Concrete is considered a universal material, but it is only with the appropriate coating that concrete surfaces achieve the resistance and optical properties that make it virtually without alternative in a wide variety of applications.

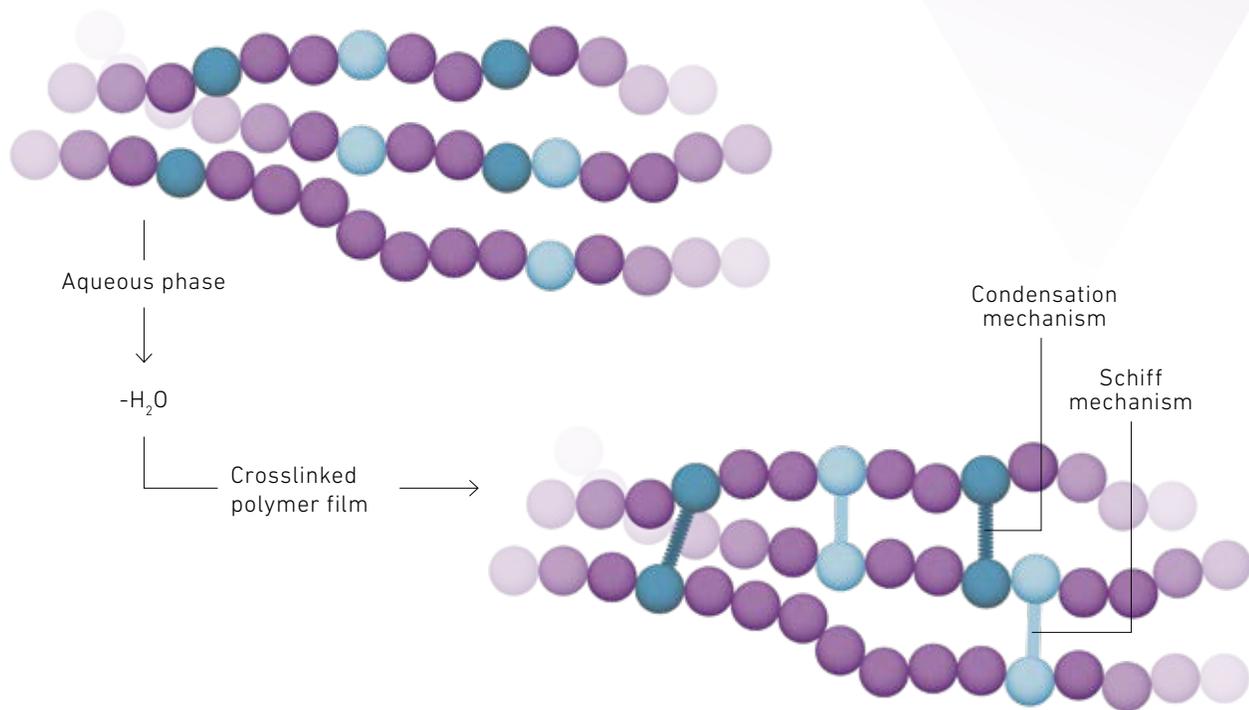
Whether industrial or home application: our water-based polymer technologies help you to develop excellent and at the same time economical formulations for a wide variety of concrete coatings.

# SELF-CROSSLINKING TECHNOLOGY

Our portfolio includes polymer dispersions with two different crosslinking mechanisms on the same polymer backbone. The self-crosslinking of the polymers takes place only during film formation by drying at room temperature. In this way, the typical properties of a crosslinked polymer can be achieved without limiting storage stability.

## FEATURES & BENEFITS

- ▶ Increased chemical resistance
- ▶ Stain resistance
- ▶ Water resistance
- ▶ Good adhesion properties
- ▶ Room-temperature curing with long-term shelf stability





# PRODUCT PORTFOLIO

## CONCRETE COATINGS

PRODUCT	PRODUCT DESCRIPTION	IONICITY	SOLID APPROX. [%]	PH	MFFT [°C]
SYNTRAN® AC 1090	Acrylic polymer	Anionic	50	8.0	5
SYNTRAN® AC 1091	Acrylic polymer	Anionic	57	7.0	< 0
SYNTRAN® AC 1092	Acrylic polymer	Anionic	50	7.0	< 0
SYNTRAN® AC 6130	IPN acrylic copolymer	Anionic	40	8.8	50
SYNTRAN® AC 9055	Self-crosslinking acrylic polymer	Anionic	40	8.0	75
SYNTRAN® AC 9057	Self-crosslinking acrylic polymer	Anionic	42	7.5	55
SYNTRAN® AC 9073	Self-crosslinking acrylic polymer	Anionic	42	7.5	25
SYNTRAN® AC 9093	Self-crosslinking acrylic polymer	Anionic	42	7.5	15

## FEATURES & BENEFITS

PRIMER  
TOPCOAT  
SEALER & DECORATIVE  
MASONRY  
POOL DECKS  
MORTAR MODIFICATION

Large particle size, film has very good flexibility with excellent water resistance, high compatibility with pigments, waxes and other additives, excellent adhesion to multiple substrates, zero VOC requirements to formulate coating

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▲

Excellent solvent resistance and abrasion resistance, fast drying, high crosslinking density, improved compatibility, low solvent demand

▲ ▲

Self-crosslinking, excellent hot tire and skydrol resistance, film has very high gloss and hardness, low VOC requirements to formulate coating

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Self-crosslinking, excellent household stain resistance, outstanding hot tire and Beta-dine resistance, excellent water submersion resistance, very hard and high-gloss film with good printability, low VOC requirements to formulate coating

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Self-crosslinking, excellent household stain resistance, outstanding hot tire resistance, excellent water submersion resistance, excellent adhesion to multiple substrates, film has very high gloss, zero VOC requirements to formulate coating

▲ ▲

Self-crosslinking, excellent household stain resistance, small particle size for deep penetration into concrete, excellent water submersion resistance, excellent adhesion to multiple substrates, film has very high gloss, zero VOC requirements to formulate coating

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▲ = Highly recommended ▲ = Recommended

# PRODUCT PORTFOLIO

## ADDITIVES FOR CONCRETE COATINGS

PRODUCT	PRODUCT DESCRIPTION	IONICITY	SOLID APPROX. [%]	PH	MFFT [°C]
<b>GRINDING RESINS</b>					
SYNTRAN® DR 7011	Alkali-soluble acrylic polymer	Anionic	25	7.7	20
SYNTRAN® DR 7015	Alkali-soluble acrylic polymer	Anionic	30	7.5	100
SYNTRAN® DR 7055	Alkali-soluble acrylic polymer	Anionic	25	8.0	66
SYNTRAN® DR 7060	Alkali-soluble acrylic polymer	Anionic	25	7.0	70
SYNTRAN® DR 7102	Carboxylated acrylic copolymer	Anionic	35	6.7	100

## FEATURES & BENEFITS

Polymeric surfactant technology designed to improve wetting and incorporation of pigments or additives into water-based pigment concentrates and coatings. Used as a grinding resin in pigment dispersions, it improves color development of organic pigments and carbon black.

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Chemistry tailor-made

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