

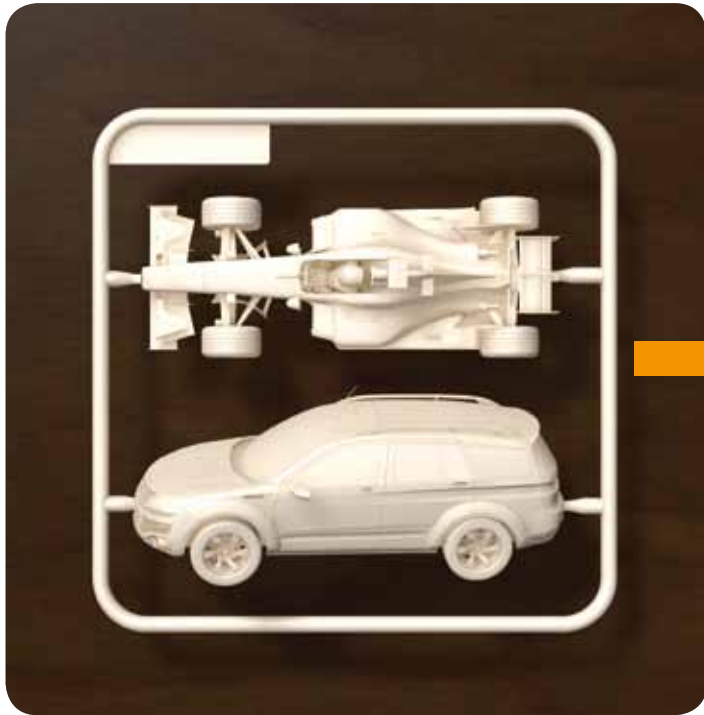
PAPER & FILM | RELEASE COATINGS

THE BEST COMPONENTS AT HAND DEHESIVE® + XL + CRA® + CATALYST

Let's Make the Perfect Combination

DEHESIVE®

Profile, Speed and Robustness



Silicone polymers define the release profile.
Flat profiles are linked to speed.
Increasing profiles result in robust systems.

WACKER SILICONES offers two DEHESIVE® polymer families. The multibranched (MB) polymers are in the family of DEHESIVE® SFX products and the linear vinyl endcapped (VE) polymers are in the standard DEHESIVE® family. All products are also available as AMA® versions containing an antimisting agent for high-speed coating applications.

Formulating the right release system requires silicone polymers, which offer ideal release properties and cure quickly. DEHESIVE® polymers with flat release-force profiles can be used for making materials such as label laminates that can be processed at exceptionally high speeds. DEHESIVE® polymers with a rising release-force profile are robust and suitable for a wide variety of applications and adhesives.

CROSSLINKER

Speed and Grip

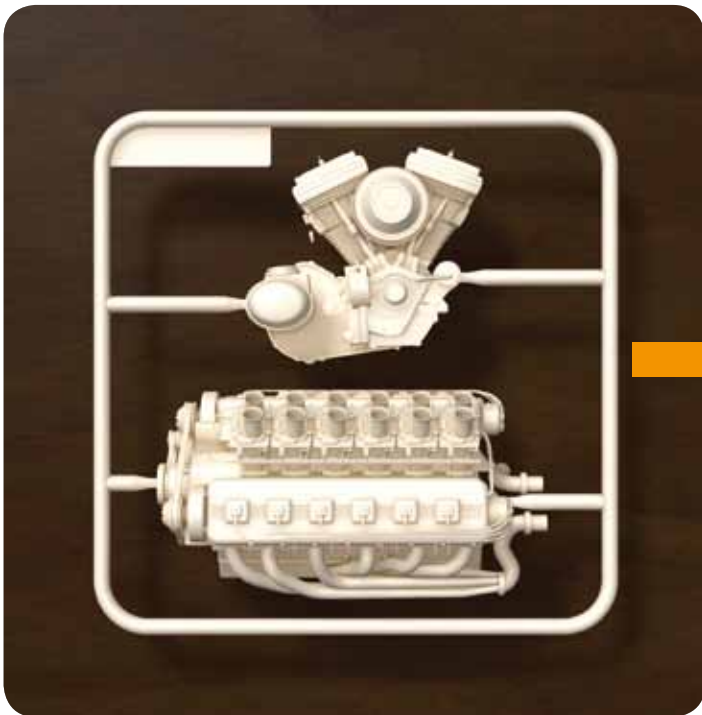


Fast crosslinkers for perfect surfaces.
Strong grip crosslinkers for challenging terrain.

Because they have a major impact on the anchorage of the coating to the substrate and on the interaction with the adhesive, the type and amount of the crosslinker are key parameters influencing the cost efficiency of manufacturing and the long-term stability of the laminate. The WACKER portfolio includes crosslinkers offering extremely short curing times for the perfect substrate, and crosslinkers that allow coatings to stick to even the most difficult substrates.

CATALYST

Add the Right Dynamic

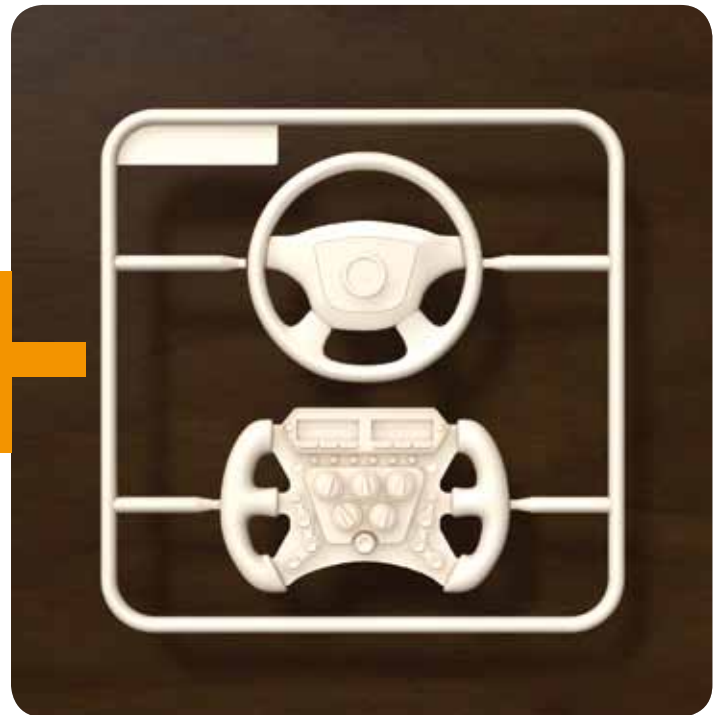


Diluted platinum catalysts are easy to dose for exact and reproducible speed.

Platinum catalysts are used for accelerating the reaction, allowing DEHESIVE® polymers and crosslinkers to cure quickly – even when processed at temperatures as low as 85°C. WACKER platinum catalysts allow any system to proceed at just the right speed. Whether highly concentrated or dilute, there is the right catalyst for any formulation or mixing equipment.

CRA®

Steer Your Release



Resins bring the release force up to the required level.

Release force plays a major role in every formulation: by incorporating specialized silicone resins into the chemical structure of the coating system, WACKER CRA® controlled-release additives tailor the release force between silicone coatings and adhesives.

DEHESIVE® Polymers	Features
DEHESIVE® 920	Most stable release with all kinds of adhesives
DEHESIVE® 910	Stable release and fast cure
DEHESIVE® 924	Fast, flat and good coverage on closed papers and films
DEHESIVE® 915	Best coverage on closed papers
DEHESIVE® SFX 380	Fast cure, excellent coverage for open substrates
DEHESIVE® SFX 280	Fast cure, flat release profile for open substrates
DEHESIVE® SFX 250	Fastest cure, flattest release profile
DEHESIVE® SFX 195	Fast cure, flat release profile for closed substrates



Crosslinker	Type	H %	Viscosity [mPas]	Anchorage	Fast Cure
CROSSLINKER V 24	Homopolymer	1.60	20	••••	•
CROSSLINKER V 88	Equilibrate	1.35	40	•••	••
CROSSLINKER V 90	Equilibrate	1.15	40	••	•••
CROSSLINKER V 58	Equilibrate	0.73	65	•	••••



Catalyst	Type	Platinum [ppm]	Viscosity [mPas]
CATALYST OL	Concentrated platinum catalyst	10000	800
CATALYST PT 5	Concentrated platinum catalyst	5000	500
CATALYST C 05	Diluted platinum catalyst	1150	500



CRA®	Type	Resin [%]	Viscosity [mPas]
CRA® 17	Highly efficient release modifier containing olefin	70	600
CRA® 45 AMA	VOC-free, containing AMA® Anti Misting Additive	45	2000

LET'S MAKE THE PERFECT COMBINATION

The perfect paper and film coatings are the results of the perfect mix. WACKER SILICONES makes that possible. When you partner with us you gain the advantage of working with a global market leader that optimizes your products and processes at every level. The combination of WACKER's technical expertise and DEHESIVE® products helps you to streamline your processes and costs. Maximize your competitiveness through our global supply chain and take advantage of our industry-leading technical services, such as our unique Pilot Coater. Together we can take your business to the next level. So "let's make the perfect combination."



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Contact your Wacker representative for recommendations regarding specific applications. For health and safety information refer to the product SDS.