

**WACKER**

CREATING TOMORROW'S SOLUTIONS

SILFOAM®

SIPPELL®

SILICONES | LEATHER FINISHING

**FINISHING LEATHER.  
WITH SILICONES.**



## AND PROCESSES MORE EFFICIENT

If you want to turn a hide into high-quality leather for clothing, accessories, furniture, shoes and cars, you must go through various work steps that involve the formation of foam. **SILFOAM®** silicones effectively suppress the formation of foam, particularly during dyeing and coating. Being particularly efficient and largely inert chemically speaking, our silicones make smooth production processes possible and ensure uniform quality. Highly specialized **SIPELL®** silicone additives enable you to customize the properties of the finished leather at various stages throughout the production process.

**SIPELL®** functional silicone fluids and emulsions, customized grades available too

### Effects

#### Adjustment of:

- Hydrophobic properties (ranging from water-repellent to water-impermeable)
- Suppleness
- Resistance to weathering
- Durability

### Effects

#### Adjustment of:

- Hand feel (ranging from soft and smooth to oily, dry and waxy)
- Softness
- Gloss
- Water and dirt repellency
- Resistance to abrasion
- Wear resistance
- Flow and leveling in the case of patent leather
- Polishing effect



### Effects

#### Improving the manufacturing process:

- Reliability
- Efficiency
- Higher productivity

**SILFOAM®** antifoam agents



# SILICONES MAKE LEATHER MORE ATTRACTIVE

Attractive leather inspires the senses – and its impact lasts for a long time. But not any old leather will do. Some leather articles need to be soft and smooth, while others need to be sturdy and tough. Some articles need to be cool and smooth to the touch, whereas others need to feel soft and firm. Occasionally, leather

is expected to look glossy, yet at other times it should just give off a gentle sheen. Even so, the natural character of the leather should always be retained. This is where the benefits of our silicones come into play: they make a great many individual effects possible, while preserving the natural features of the leather.



## Discover the Opportunities That WACKER Silicones Open Up:

### Leather shoes:

- Highly resistant to water and weathering
- Natural flexibility
- Pleasant hand
- High abrasion resistance

### Patent leather:

- Simple processing
- No running, dripping and sagging or cratering
- Improved lubricating properties
- Durable gloss

### Leather in automotive interiors:

- High-end look
- High abrasion resistance
- Pleasant hand
- Perfect comfort

### Leather furniture:

- Individual kinds of hand: from soft, oily, waxy to dry or smooth
- High wear resistance due to improved abrasion properties

## DISCOVER OUR LEATHER EXPERTS

Product	Description	Properties				System		Applications			
		Hand	Resistance to abrasion	Good water repellency	Improved flow/leveling	Water-based	Solvent-based	Automotive	Furniture	Clothing	Shoe-upper leather
<b>Finishing</b>											
SIPPELL® AE 34	Micro-emulsion, nonionic, amino-functional silicone fluid	●				●			●	●	
SIPPELL® AE 45	Micro-emulsion, nonionic, amino-functional silicone fluid	●				●			●	●	
SIPPELL® CE 27	Aqueous dispersion, pre-cured silicone rubber	●	●			●		●	●		
SIPPELL® VF 35 LV	Emulsion of a silicone copolymer	●				●			●	●	
SIPPELL® AP 609 LV	Dispersion of a high-molecular-weight silicone polymer	●	●			●		●	●		
SIPPELL® VF 50	Emulsion of a film-forming silicone	●				●		●	●	●	
SIPPELL® RE 55 M	Solvent-based silicone-oil-resin mixture			●			●			●	●
<b>Wet-End / Retanning</b>											
SIPPELL® RE 61 F	Mercapto-functional silicone fluid			●							●
SIPPELL® RE 63 F	Epoxy-functional silicone fluid			●							●
WACKER® FLUID AK 100, 350	Non-functional silicone fluid	●		●						●	●
<b>Auxiliaries</b>											
WACKER IM 22	Glycol-functional silicone fluid (carbinol grade)				●						
WACKER® FLUID L 053	Glycol-functional silicone fluid				●						
SILFOAM® SD 670	Self-emulsifying antifoam agent					●	●				
SILFOAM® SD 882	Self-emulsifying antifoam agent					●	●				
WACKER® FLUID L 066	Glycol-functional silicone wetting agent				●						
SILFOAM® SE 47	Silicone antifoam emulsion, nonionic					●					
SILFOAM® eco SRE	Concentrated silicone antifoam emulsion from renewable raw materials, nonionic					●					
SILFOAM® eco SE 39	Alkali-resistant silicone antifoam emulsion made from renewable raw materials, nonionic					●					

Are you looking for a solution that meets your needs even more closely?

Then get in touch with us!

Our products are backed by over 100 years of chemical innovation, over 75 years of experience with silicones and over 40 years of partnership with the leather industry. We would be happy to share our knowledge with you and help you optimize your processes or formulations. In our technical competence centers or at your site.

Do you prioritize sustainability? We do too!

Sustainability is firmly anchored in WACKER's corporate values. In doing so, we have set ourselves two goals: we want to reduce our own CO<sub>2</sub> emissions and we want our products to create sustainable solutions for our customers. Our antifoam agents are already making a significant contribution to more efficient leather production. Thanks to our SILFOAM® eco, we are now able to supply for the first time silicone fluids in which 100% of the fossil raw materials are replaced or offset by renewable raw materials (biomethanol). This is done on the basis of a REDcert<sup>2</sup> mass balance-approach audited by the TÜV NORD inspection authority.

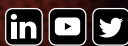


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