Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 Munich, Germany
www.wacker.com

PRESS RELEASE

Number 13

WACKER Unveils Fossil-Free Silicone Coating for Release Papers and Films

Munich, May 7, 2021 – WACKER is now taking its pioneering concept for resource-efficient silicone manufacturing and is applying it to its silicone release coatings. DEHESIVE® eco release agents are produced with the aid of non-fossil methanol obtained from renewable raw materials. WACKER is currently the only manufacturer to offer fossil-free silicone release agents for the label and film-coating industries.

The company uses methanol from both fossil and plant sources in its silicone production. It then records the mass balance of non-fossil methanol in its mix, allocating it to select product lines in proportion to the quantity of biomethanol used – an approach comparable to the green electricity certification system used in Germany.

The same mass balance method is applied for manufacturing DEHESIVE® eco. Only certified non-fossil methanol made from straw or cut grass is used. “That makes WACKER the first company to introduce silicone release coatings that are sustainable and, most importantly, manufactured using resource-efficient methods,” says Dr. Hans Lautenschlager, who is responsible for release coatings within WACKER SILICONES. “DEHESIVE® eco is a product line in which 100 percent of the fossil-based methanol components have been replaced with methanol derived from renewable resources. In a

market where sustainability and protecting the climate are becoming increasingly important, products like these give our customers a crucial competitive advantage."

The basis for the DEHESIVE® eco line is a coating system consisting of the DEHESIVE® eco 902 AMA® release coating, the CRA® eco 17 controlled-release additive, the WACKER® eco V 90 crosslinker and the WACKER® eco C 05 catalyst. All eco products are formulated in exactly the same way as the corresponding standard release coating and possess the same product properties. In other words, there is no need for technical modifications to the coating process.

"When justified by the response and demand, we will expand our eco series one step at a time," Lautenschlager points out. "DEHESIVE® eco does more than just make our product portfolio more sustainable. The release coatings industry stands to benefit from this product line as well. After all, the use of fossil-free release agents doesn't just help us conserve valuable resources – it makes the process of manufacturing release liners and films more sustainable on the whole."

The mass balance method that WACKER uses is regularly reviewed as part of annual recertification. This ensures that all of the products in the DEHESIVE® eco portfolio are entirely based on fossil-free methanol. WACKER already uses this method for manufacturing silicone sealants and fluids for the paper, cosmetics and household care industries.

WACKER now offers a DEHESIVE® eco version of its DEHESIVE® silicone release agents. This gives manufacturers a fossil-free and thus resource-efficient method for producing release coatings. (photo: WACKER)

Please note:

You can download this picture from:
http://www.wacker.com/pressreleases

For further information, please contact:
Wacker Chemie AG
Media Relations & Information
Florian Degenhart
Tel. +49 89 6279-1601
florian.degenhart@wacker.com
www.wacker.com
follow us on:

The company in brief:
WACKER is a globally active chemical company with some 14,300 employees and annual sales of around € 4.69 billion (2020).
WACKER has a global network of 26 production sites, 23 technical competence centers and 52 sales offices.

WACKER SILICONES
Silicone fluids, emulsions, rubber grades and resins; silanes; pyrogenic silicas; thermoplastic silicone elastomers

WACKER POLYMERS
Polyvinyl acetates and vinyl acetate copolymers and terpolymers in the form of dispersible polymer powders, dispersions, solid resins and solutions

WACKER BIOSOLUTIONS
Biotech products such as cyclodextrins, cysteine and biologics, as well as fine chemicals and PVAc solid resins

WACKER POLYSILICON
Polysilicon for the semiconductor and photovoltaic industries