

New Silicone Resin: HAPS-free for High-Heat Applications

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SILIKOPHEN® AC 950—the new high-temperature resistant, high-solids silicone resin from Evonik—is HAPS-free and intended to provide protective properties in industrial applications. No toxic substances release during curing, making application of SILIKOPHEN® AC 950 possible in enclosed spaces. Smoke formation and VOC content are significantly lower than traditional bake-cure silicone resins, allowing SILIKOPHEN® AC 950 to meet the increasing requirements for eco-friendly coatings systems.

SILIKOPHEN® AC 950 cures at ambient temperature, utilizing a catalyst, which provides additional advantages. Application displays high and early resistance to aromatic and aliphatic solvents, in addition to impact resistance and non-blocking properties without a bake-cure cycle.

“Oven drying at high temperatures has natural limits,” explains Kirstin Schulz, marketing director for industrial coatings. “Our ambient-curing systems enable coating of large objects such as in industrial plants for water treatment or for energy generation.”

Compared to classic bake-cure systems, energy consumption is also lower. Curing at room temperature facilitates a user friendly, economical solution to high-temperature resistant coatings.



Photo. Industrial plant



Photo. Turbine wheel

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Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization. Evonik benefits specifically from its innovative prowess and integrated technology platforms. Evonik is active in over 100 countries around the world. In fiscal 2014 more than 33,000 employees generated sales of around €12.9 billion and an operating profit (adjusted EBITDA) of about €1.9 billion.

Evonik Industries has been producing specialty chemical products in the Greater China region (Mainland China, Hong Kong and Taiwan) since the late 1970's; with wide-ranging trading relations already in place prior to this in the region. Evonik regards Greater China as one of the driving forces of the global economy and we consequently endeavour to grow our business in the region. The company now has around 3,000 employees in the Greater China region, the regional sales reached over €1.1 billion in 2014.

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