

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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About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and brings together Evonik's activities in specialty chemicals for industrial applications. The Resource Efficiency segment supplies high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 7,800 employees, and generated sales of around €4 billion in 2014.

About Evonik

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals, operating in the Nutrition & Care, Resource Efficiency and Performance Materials segments. The company benefits from its innovative prowess and integrated technology platforms. In 2014 more than 33,000 employees generated sales of around €12.9 billion and an operating profit (adjusted EBITDA) of about €1.9 billion.

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