

SILICONE RESINS

SILIKOPHEN® AC 1000

Low viscous methoxy-functional silicone resin



Ambient Curing Silicone Resin for High Heat Application



- Ambient curing high-temperature applications of large industrial objects
- It is a very economic grade that is suitable for pipelines or industrial plants as well as for fireplaces in the private sector
- Thermostable corrosion protection
- Superb resistance against yellowing at permanent heat stress

SILIKOPHEN® AC 1000 – At a Glance



Ready for the Future

- High solids formulations (low viscosity)
- Cures at ambient temperatures
- Low smoke and odor development



Performance

- Outstanding long-term heat stability up to 650 °C
- Superb yellowing resistance
- Excellent corrosion protection



Technical Application

- Easy to formulate
- Perfect for use in spray application
- Fast chemical resistance after ambient curing



[Click here for more information!](#)

Early Solvent Resistance

Conventional Baking Silicone resin
10 double rubs with xylene



Curing condition:

- Conventional silicone resin:
250 °C x 30 mins
- SILIKOPHEN® AC 1000:
2 days at ambient temperature

SILIKOPHEN® AC 1000
50 double rubs with xylene

SILICONE RESIN PORTFOLIO

	SILIKOPHEN® AC 1000	SILIKOPHEN® AC 900	SILIKOPHEN® P 50/X	SILIKOPHEN® P80/X
Type of silicone resin	Methyl silicone	Phenyl-methyl silicone	Phenyl-methyl silicone	Phenyl-methyl silicone
Viscosity (mPas)	~ 10	~ 130	~ 40	~ 3000
Solvent content	< 1%	10% xylene	50% xylene, butanole	20% xylene, butanole
Benzene emission	no	yes	yes	yes
Pigment wetting	•	••	•••	•••
Flexibility during heating	•	••	•••	•••
Adhesion on metal substrate (not blasted)	•	•••	•••	•••
Dry to touch	•••	•••	••	•
Ambient curing	•••	•••	•	•
Temperature resistance up to 650 °C	•••	•••	•••	•••
Fuel resistance (after ambient curing)	•••	••	•	•

••• highly recommended • not suitable

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