

DOWSIL™ 8016 Waterborne Resin

Waterborne silicone resin, 100% solvent free

Your best option to formulate sustainable, high temperature resisting coatings

DOWSIL™ 8016 Waterborne Resin is a water based emulsified resin; 100% solvent free.

This resin is the ideal product to formulate solvent free coatings for high temperature resistance applications.

It is highly competitive against solvent borne coatings in terms of performance and durability.

Its main traits are:

- Sustainable profile, solvent free
- Low odor, low VOC (<1%), low cyclics (<0.1%)
- Resistance to high temperatures, up to 500°C
- Great adhesion before and after exposure to high temperatures
- Heat cure with potential for air drying in presence of a Tin free condensation catalyst
- Sprayable; can be applied direct on metal
- Recommended as film former in pigmented coatings

Specifications:

Main applications

- Automotive: Exhaust pipes, under the hood, etc.
- Appliances: Wood stoves, heaters, dryers, etc.
- Industrial: Pipes, boilers, storage containers and tanks, etc.



Typical properties over cold rolled steel

- Oven cure: 200°C for 60 minutes
- Thickness: Wet: 150 µm – 6 mils → Dry: 25 µm – 1 mil
- High hardness: >110 Persoz post-cured
- High chalking resistance after cured
- Low odor coatings formulation

Trust in the silicone market leader with over 75 years of experience.



DOWSIL™

silicones by 

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