

Description **BLUESIL RES 6405** and **BLUESIL RES 6405X** are 50% solids methylphenylsilicone resins in Toluene (6405) or Xylene solution (6405X).
These resins are ideal for the formulation of heat resistant coatings for industrial applications with improved weatherability.

Examples of applications Please consult your local ELKEM SILICONES sales office.

Key benefits

- High temperature resistance (up to 600°C) when used in combination with suitable temperature stable fillers and pigments.
- Dry tack free at room temperature.
- Good flexibility.

Typical properties

	BLUESIL RES 6405	BLUESIL RES 6405X
Color	Colourless to slightly yellow	Colourless to slightly yellow
Viscosity NF T 76102	45 mm ² /s	45 mm ² /s

	RES 6405	RES 6405X
Appearance	Clear liquid	
Colour	Colourless to slightly yellow	
Solids content (% approx.)	52 %	
Viscosity at 25°C (approx.)	50 mm ² /s	
Solvent	Toluene	Xylene
Specific gravity at 25°C (approx.)	1.01	1.02
Flash point approx. (closed cup, approx.)	6°C	24°C
Thinners	Aromatic hydrocarbons, esters, ketones, glycol ethers and their esters.	

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use

For good adhesion of the paint on the substrate, the surface to be coated first must be degreased and sandblasted.
The paint can be applied by spraying, dipping or brushing.
The coating can be handled after air drying, with full curing achieved after baking for 1 to 2 hours at 250°C - 300°C .
Curing can be carried out at time of use (in which case, the coating should be protected during storage) or, the piece can be heat-cured immediately after application of the paint to achieve its optimum properties.
In the case of thick coatings, it is advisable to bring the temperature to 300°C in stages in order to avoid blistering.

BLUESIL RES 6405 - BLUESIL RES 6405X

Technical Data Sheet n° 984-V4 – 2018/10/23

Drying time and film thermoplasticity can be reduced by adding a catalyst such as iron octoate (ex: 0.1 to 0.5% iron octoate containing 6 % iron / solid resin.)

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| Packaging | <ul style="list-style-type: none">• BLUESIL RES 6405 is available in<ul style="list-style-type: none">○ Drum of 200 KG (441 LB)
• BLUESIL RES 6405X is available in<ul style="list-style-type: none">○ Drum of 200 KG (441 LB) |
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Storage and shelf life	When stored in its original packaging: BLUESIL RES 6405 may be stored for up to 18 months from its date of manufacturing. BLUESIL RES 6405X may be stored at a temperature between -20 °C/ -4 °F and 30 °C/ 86 °F for up to 18 months from its date of manufacturing. Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
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Regulation	Please consult your local ELKEM SILICONES sales office.
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Limitations	Please consult your local ELKEM SILICONES sales office.
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Safety	Please consult the Safety Data Sheet of: BLUESIL RES 6405 and BLUESIL RES 6405X
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Visit our website www.silicones.elkem.com

Warning to the users

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