

## Pilot<sup>®</sup> Base Oils for Silicone Sealants

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## Pilot® 261R / Pilot® 275H / Pilot® 300H / Pilot® 400H / Pilot® 500H / Pilot® 900

Silicone sealants may be unremarkable, but their added value is enormous. Wherever joints, gaps and cracks between different materials need to be filled and sealed, silicone sealants offer a clean and durable solution. The variety of applications for both interior and exterior construction is high: in the sanitary area, the kitchen, for sealing doors, windows and window sills and much more. The sealant protects against dirt and moisture and, thanks to its permanently elastic properties, is ideally suited to withstand and compensate for building movements.

Benefits of our Pilot<sup>®</sup> Base Oils:

- UV and temperature resistant
- Anti-ageing resistant
- Curing on the spot due to atmospheric humidity
- Weather resistant
- Water-repellent and waterproof
- Corrosion-free (for application on metallic substrates)
- Good adhesion properties (can be applied to almost all substrates)
- Flexible and tear resistant during application

Our Pilot<sup>®</sup> Oils have excellent compatibility and solvency properties, allowing them to be used as extender oils for silicone sealants. The oils benefit from low aromatics and therefore very low odour, making them ideal for inclusion in acetoxy and alkoxy applications. The UV-stability of our Pilot<sup>®</sup> Oils provide excellent anti-ageing and colour-stabilised properties, ensuring a proven total life for the cured sealant, whether pigmented or neutral, whilst achieving competitive formulation costs. Improved application and extrusion characteristics assist with both professional and DIY use.

Pilot<sup>®</sup> Oils are produced in our state-of-the-art ISO 9001, ISO 14001 and ISO 50001 certified facilities in Europe and are supplied to global markets in bulk or as packaged goods. Haltermann Carless industry-focused technical and development teams can assist with specific application queries.

Properties	Pilot <sup>®</sup> 261R	Pilot <sup>®</sup> 275H	Pilot <sup>®</sup> 300H	Pilot <sup>®</sup> 400H	Pilot <sup>®</sup> 500H	Pilot <sup>®</sup> 900
Kin. Viscosity at 40 °C	2.5 mm <sup>2</sup> /s	3.0 mm <sup>2</sup> /s	4.0 mm <sup>2</sup> /s	4.5 mm <sup>2</sup> /s	5.5 mm²/s	8.5 mm²/s
Density at 15 °C	810 - 830 kg/m³					840 - 860 kg/m <sup>3</sup>
Boiling Range – IBP	242 °C	250 °C	260 °C	275 °C	275 °C	300 °C
Boiling Range – FBP	272 °C	295 °C	320 °C	320 °C	340 °C	350 °C
Flash Point, min.	104 °C	110 °C	110 °C	130 °C	130 °C	160 °C
Pour Point, max.	-20 °C	-20 °C	-20 °C	-10 °C	-5 °C	-35 °C
Aromatics (UV)	max. 1000 ppm					
FDA 21 CFR	178.362 B					

Listed Product data are typical values and may vary according to specification requirements.

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