

# ELASTOSIL N9111 silicone sealant is fast curing and tin free

**WACKER ELASTOSIL® N9111** is a tin-free single part RTV silicone sealant, with a neutral cure chemistry, producing a non-corrosive seal that does not inhibit other materials such as platinum cure silicones. This, along with its flame retardancy (it meets UL94 V-0), makes it a strong candidate for electronics manufacturing, especially for **gap filling, component ruggedisation, and form-in-place gasketing**. We stock it in depth for next-day delivery.

**Elastosil N9111** is also well-suited for automotive and small appliance electronics and for new/sustainable energy devices. Further applications for this general-purpose adhesive sealant include demanding bonding applications in the household appliances sector, e.g. bonding of ceramic hobs, screens and control panels in electric cookers, or mounting and bonding of front windows of microwave ovens.

This new adhesive sealant is technically an alkoxy-curing RTV-1 system, formulated with a tin-free catalyst. It can be considered for applications in which organo-tin compounds act as inhibitors and are therefore undesirable, such as silicone dam-and-fill electronics encapsulation. In this process, a bead of non-sag silicone is applied to the module to create a dam around the encapsulation area, which is then filled with a [low viscosity encapsulant such as a platinum-catalysed silicone gel](#). If the RTV-1 silicone used for the bead contains a tin catalyst, then there is a risk that it will inhibit the curing of a platinum-catalysed encapsulant. As a result, using tin-based RTV-1 silicones for such procedures is potentially time consuming and cost intensive. **Elastosil N9111** has none of these drawbacks and consequently promotes productivity and process simplicity.



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Physically, **Elastosil N9111** is a soft, non-sag paste. Its viscosity decreases when shear is applied. This “shear-thinning” enables the silicone rubber compound to be readily applied both manually and mechanically. The material is available in black and white and adheres to many conventional substrates, such as aluminium, stainless steel, glass, polyamide and polyvinyl butyral. The cured rubber is resistant to both UV light and temperatures of up to 200°C.

**Elastosil N9111** can offer considerable time savings and processing advantages.

Supplied by:

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Last updated: August 2018

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