



Silane Innovations for Winners – For you.

In Coatings, Adhesives & Sealants

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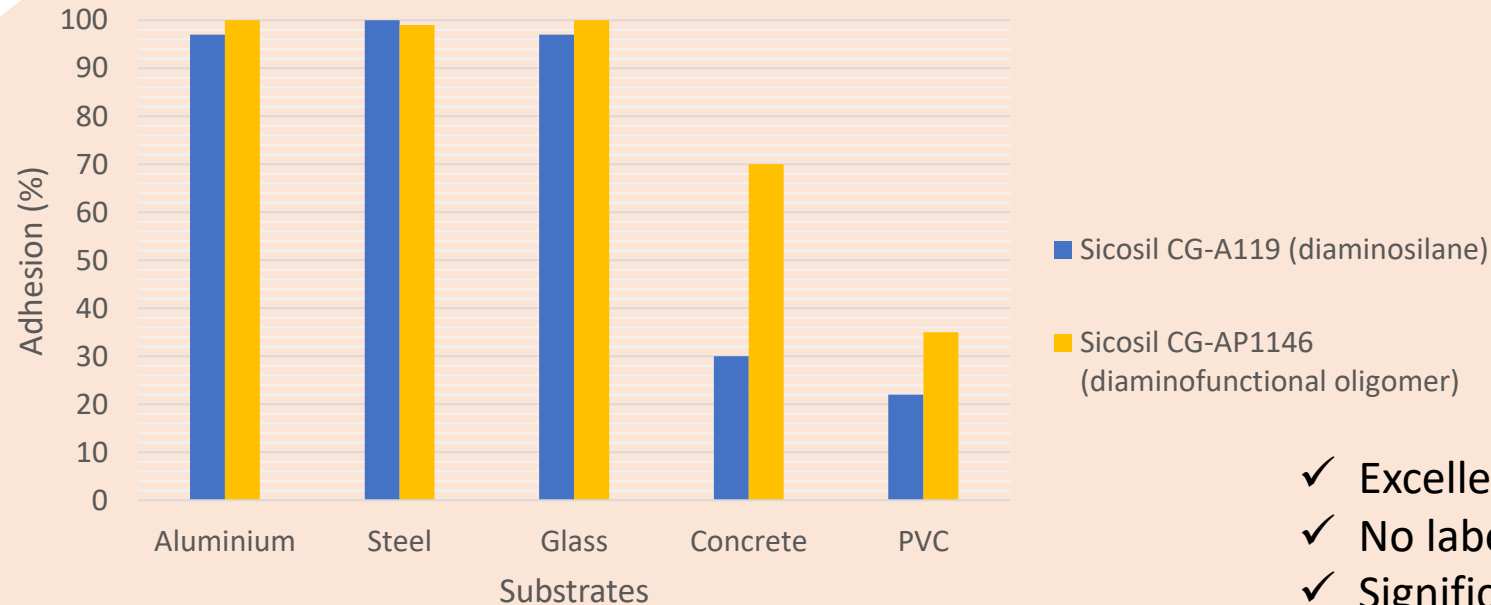
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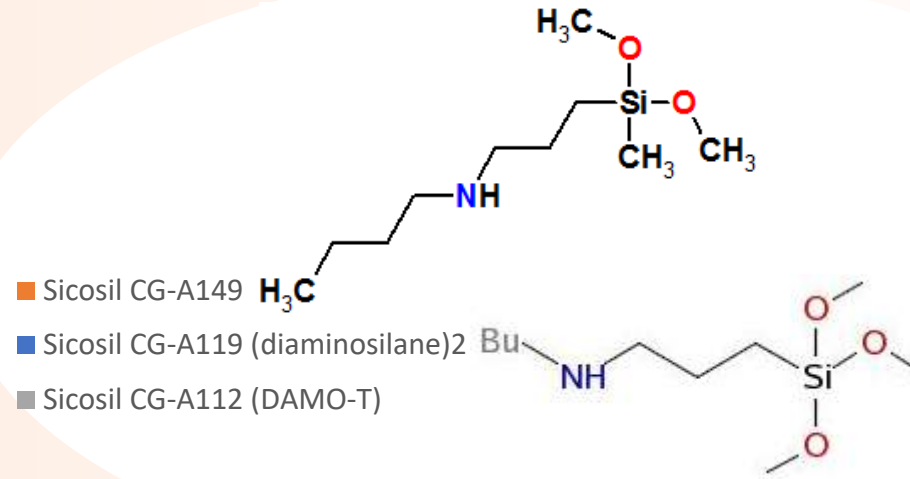
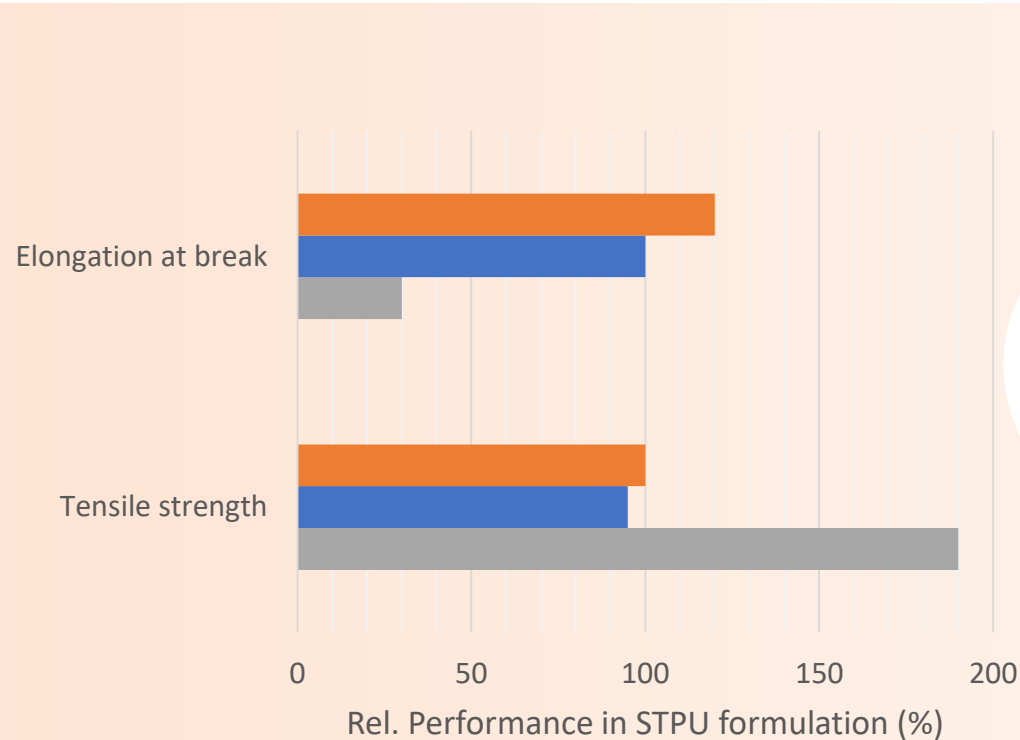
Your advantages of Sicosil CG-AP1146 as SMP* on adhesion performance



- ✓ Excellent adhesion on critical substrates
- ✓ No labelling required (Non dangerous good)
- ✓ Significant lower VOC content
- ✓ Significantly improved wet adhesion
- ✓ High performance adhesives & sealants can be formulated for critical substrates

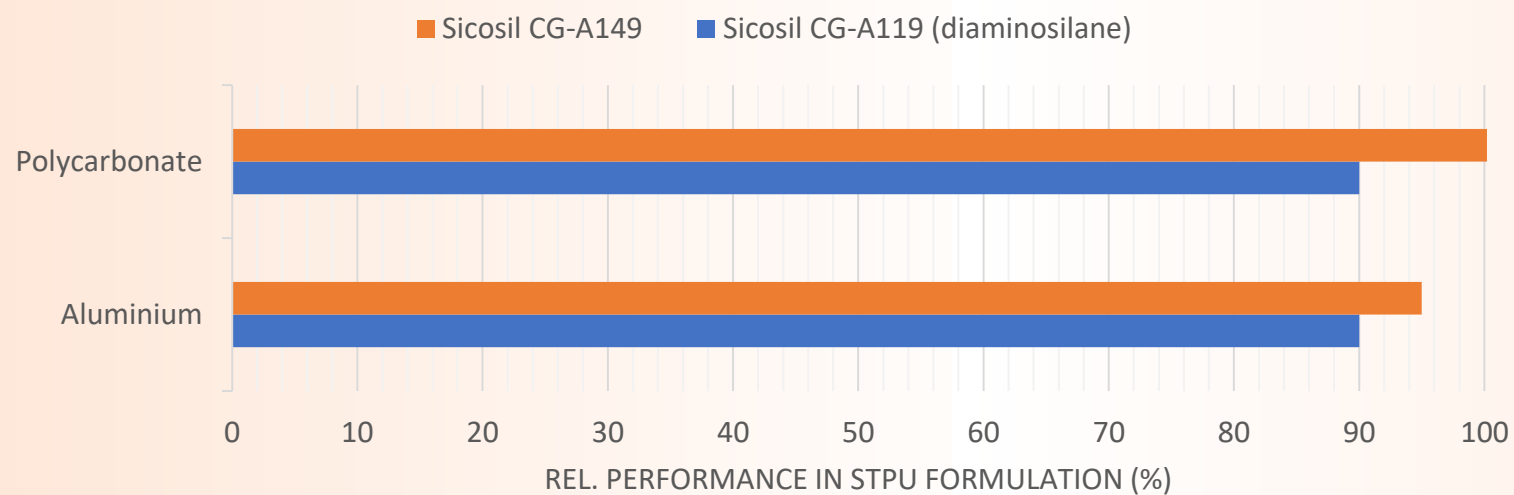
*Silane modified polymer (SMP, STP, Hybrid)

Your advantages of Sicosil CG-A149 as polymer modifier on performance in STPU formulation



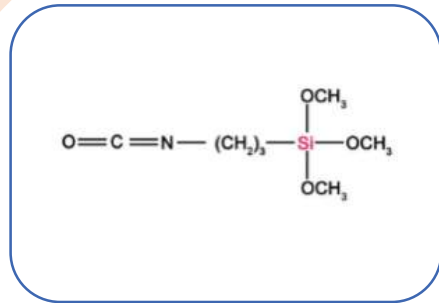
- ✓ Tensile strengths of both systems are similar
- ✓ Sicosil CG-A149 leads to more flexible products
- ✓ CG-A149 has a lower degree of crosslinking and leads to more flexible STPUs. Elongation at break is increased by ~30%!

Your advantages of Sicosil CG-A149 as polymer modifier on performance in STPU formulation



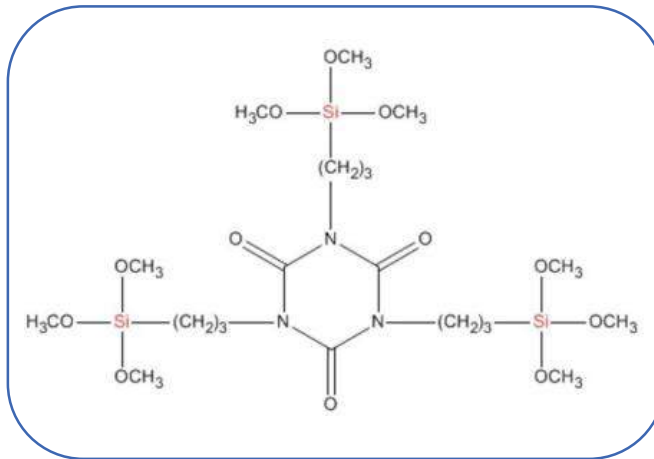
- ✓ Adhesion performance is primarily linked to the adhesion promoter. The polymer modifier doesn't show a significant influence on the lap shear adhesion

Sicosil CG-IC13P3 as adhesion promoter in PUs, Silicones and MS-Polymer Adhesives for critical substrates



Sicosil CG-IC13

VS



Sicosil CG-IC13P3

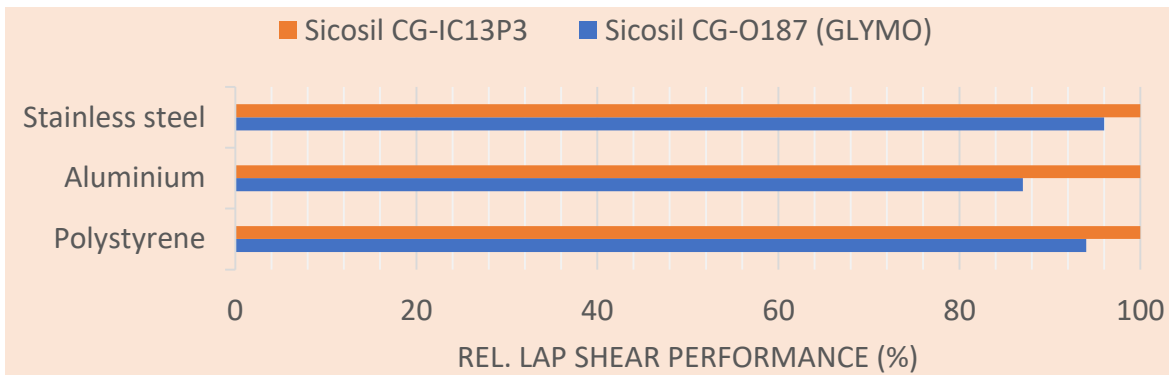
Advantages

- ✓ Excellent adhesion on plastics, metal, glass
- ✓ Excellent crosslinker in coatings
- ✓ Low volatility
- ✓ High thermal stability

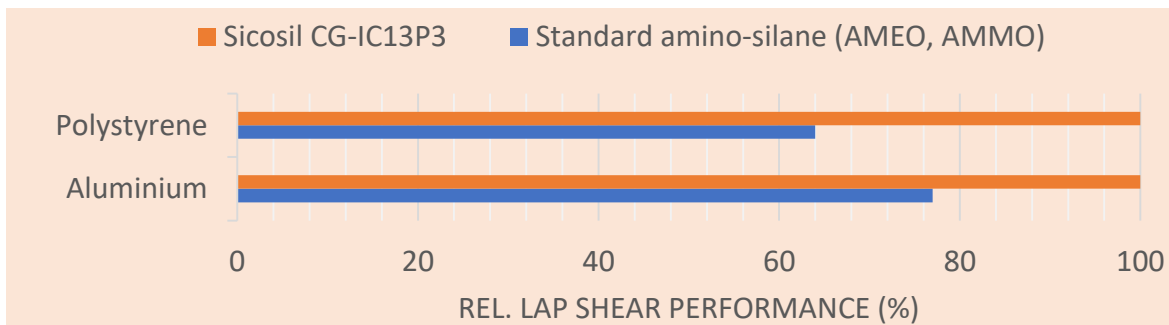
Applications

- ✓ Primer for coatings, adhesives & sealants
- ✓ Adhesion promoter in hotmelt adhesives on PU, EVA, PA,...
- ✓ Co-adhesion promoter for SMP
- ✓ Adhesion promoter for PU & silicones

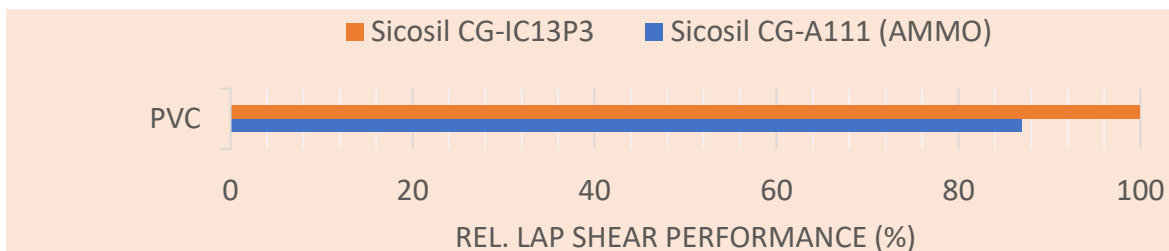
Improved Adhesion Performance of Sicosil CG-IC13P3



in 2K PU Adhesives



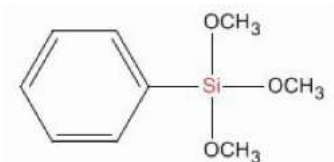
in Oxime Silicone Sealants



in filled MS-Polymer-Adhesives on PVC

Non DG alternatives for CG-V171/VTMO as water scavengers

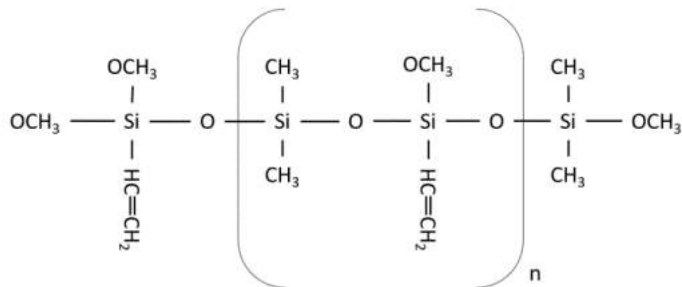
Sicosil CG-P13



Alkoxy-terminated phenyl silane

- Non-dangerous good
- Flashpoint > 86°C

Sicosil CG-VO11



Alkoxy-terminated vinyl silicone

- Significant lower VOC
 >**60%** less compared to alkoxy-terminated monomers
 >**30%** less compared to alkoxy-terminated oligomers
- Non-dangerous good
- Flashpoint >60°C



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