ADHESION PROMOTERS

for

- METAL
- GLASS
- PLASTIC
- CERAMIC
- COMPOSITES
1. Introduction

The SurAChem® adhesion promoters are liquid silane-based adhesion enhancing systems, developed especially to apply with the SurABond® adhesives and SurACer® coatings but also with other utilizing products.

The SurAChem® adhesion promoters are appropriate for metal, glass, ceramic and, after appropriate activation, for plastic surfaces.

2. Surface pretreatment

The surface to be pretreated should be clean and degreased. Furthermore, the surface can be effectively activated by a silication flame-treatment with the pretreatment devices SurAChem® VG 02 and VG 03. It is advantageous, however not mandatory, to heat up the surface or component after applying the adhesion promoter to about 70 °C for 1 to 3 minutes.

3. Processing

Depending on the shape of the component, the application of the adhesion promoter should be carried out by spraying, dip coating, roll coating or at smaller components by a brush, cotton swap or similar to achieve a thin adhesion promoter layer. After evaporation of the solvent and, if necessary, short-term heating to 70 °C, the adhesive or coating can be applied in liquid form, hot-melt or powder, depending on the requirements of the components.

Caution! Rest-amounts, which have been previously taken from the associate storage container, storage vessel etc., cannot be once more within them collected. If so, the storage stability will be significantly reduced.
5. Delivery Form

The SurAChem® adhesion promoters are available in bottles, starting from 250 ml.

6. Storage

The SurAChem® adhesion promoters are in unopened condition and at +5 °C stable for 6 months after delivery.

7. Instructions to Occupational- and Health Safety

SurAChem® adhesion promoters contain isopropanol. The occupational- and health-safety requirements relevant for this solvent must be taken into consideration. Any type/kind of contact with the solvent is not harmful after its evaporation and the termination of its chemical reaction.

4. Technical Data

<table>
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<tr>
<th>Adhesion promoter</th>
<th>Color</th>
<th>Form</th>
<th>Application</th>
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<tr>
<td>SurAChem® GM 138</td>
<td>colorless</td>
<td>liquid</td>
<td>Acrylate-based adhesives and coatings</td>
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<tr>
<td>SurAChem® GA 139</td>
<td>colorless</td>
<td>liquid</td>
<td>Epoxy- and Polyurethane-based adhesives and coatings</td>
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<tr>
<td>SurAChem® GE 141</td>
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<td>liquid</td>
<td>Adhesives and coatings based on epoxides, polyurethanes and polyesters</td>
</tr>
<tr>
<td>SurAChem® GH 144</td>
<td>colorless</td>
<td>liquid</td>
<td>Universal-adhesion promoter, also for Silicons</td>
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<tr>
<td>SurAChem® GS 145</td>
<td>colorless</td>
<td>liquid</td>
<td>Adhesives and coatings based on SH-En, polysulfides or vulcanizable polymers</td>
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