



# Sikaflex<sup>®</sup> 11 FC+

## TRADIES GUIDE








BUILDING TRUST



# PRE-TREATMENT CHART FOR CONSTRUCTION SEALANTS AND ADHESIVES

## 2 PRE-TREATMENT CHART

Precondition: Surfaces must be clean, dry and free from oil, grease and dust, loose or friable particles. Cement laitance has to be removed. Grinding the surface of non-porous substrates with an abrasive pad very fine may improve the adhesion performance. It is recommended to verify compatibility with the cleaning products.	Polyurethane				Silane Modified Polymers (SMP)				"Silicones neutral curing"			"Silicones acetoxy curing"		
	Sika® Aktivator-205	Sika® Primer-3 N	Sika® Primer-4 W	Sika® Primer-215	Sika® Aktivator-205	Sika® Primer-3 N	Sika® Primer-4 W	Sika® Primer-215	Sika® Aktivator-205	Sika® Primer-3 N	Sika® Primer-4 W	Sika® Aktivator-205	Sika® Primer-3 N	Sika® Primer-4 W
Concrete, Aerated Concrete, natural Stone, e.g. Sandstone														
Concrete, Aerated Concrete permanently immersed in water					Not recommended!				Not recommended!			Not recommended!		
Plaster, Cement Render, EIFS (Exterior Insulation Finishing System)														
Fibre Cement														
Glazed Tiles, Enamel														
Unglazed Tiles (porous)														
Glass uncoated, UV exposed (Float Glass)	Not recommended!				Not recommended!				see 1.1			see 1.1		
Aluminium uncoated (AlMg3, AlMgSi1)	A	A	A		A	A	A		A	A		Not recommended!		
Aluminium anodised														
Copper (see exceptions page 2)	■—■				■—■				■—■			Not recommended!		
Titanium Zinc	■—■				■—■				■—■			Not recommended!		
Steel hot dipped, galvanized	A	A			A	A			A	A		Not recommended!		
Stainless Steel (V2A, V4A)														
Epoxy Mortar, Epoxy Coatings	A	A			A	A			A	A		A	A	
GRP (UP, EP, PU based)	A	A			A	A			A	A		A	A	
PVC hard														
Wood untreated, weathered (Solidwood, Plywood)														
Wood untreated, not weathered (Solidwood, Plywood)	No pre-treatment required!				No pre-treatment required!				No pre-treatment required!			No pre-treatment required!		
2-Comp. Top Coat (Water- or Solvent based, PUR or Acrylic)	A	A			A	A			A	A		A	A	
Powder Coating (PES, EP/PES)	A	A			A	A			A	A		A	A	

Abbreviation					
Product/Explanation	1 <sup>st</sup> choice recommendation	2 <sup>nd</sup> choice recommendation	Both pre-treatment steps are required. Apply the left one first (respect flash-off time), followed by the right one.	Treat surface with an abrasive pad very fine before applying the pre-treatment.	Not recommended

# PRE-TREATMENT CHART FOR CONSTRUCTION SEALANTS AND ADHESIVES

## 1 USE OF THIS PRE-TREATMENT CHART

The information about the pre-treatment of surfaces in this document serves only as a guideline and must be verified by tests on original substrates. Project specific pre-treatment recommendations are based on laboratory tests and are available from Sika on request.

### 1.1 EXCEPTIONS

For some Sealing & Bonding products the general given recommendations in the following charts do not apply. The following table lists all products which require a special procedure for correct pre-treatment.

Sealant	Chemical Base	Pre-treatment / Remarks
Sikaflex® Tank N	1-C Polyurethane	Sika® Primer-215 on concrete
all Silicones	1-C Silicone	IPA (Isopropyl alcohol) for glazing applications (due to streaking of Sika® Aktivator-205 on glass)

### 1.2 PRODUCT TECHNOLOGY

The recommended pre-treatment for all products can be found in the following pre-treatment tables. As the recommended pre-treatment may be different among technologies there is one column for each of them. Please make sure to choose the recommendation from the correct column. The following table gives some examples for each technology. All products which are not mentioned below, can be found in the product data sheet (PDS). Detailed information concerning the primers like flash of time, consumption etc. can be found in the respective product data sheets (PDS).

Technology	Product examples	
Polyurethane	SikaHyflex®-250 Facade	Sikaflex®-11 FC+
Silane Modified Polymers (SMP)	Sikaflex®-111 Stick & Seal Sikaflex®-112 Crystal Clear Sikaflex®-118 Extreme Grab	SikaBond® SMP 151
Silicones (neutral curing)	SikaHyflex®-305 AP SikaHyflex®-300 AP Sikasil®-728 SL/NS	Sikasil® PRO Sikasil® Pool Sikaseal® Kitchen & Bathroom
Silicones (acetoxycuring)	Problend® S1	Sikaseal® Roof & Gutter