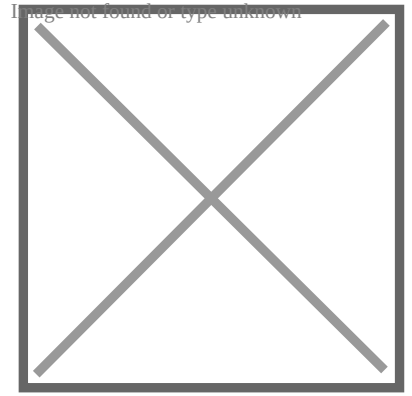


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PRIMER, BONDING AGENT

coatings and adhesives require different surface preparation depending on the substrate



Primer is not the same as primer and is not the same as the term bonding agent, although they are often used synonymously. Primers and undercoats, however, fulfil different tasks in coating and bonding processes. They are often different in terms of material and not comparable in application.

Primers improve adhesion on critical substrates enormously. In many cases, a permanent bond between coating or adhesive and substrate is only possible with the right primer. Ideally, they act as a chemical coupler (special primer) and enable bonds between substrate and coating or adhesive with enormous strength. However, such primers are usually not binders in the classical sense and do not form films!

The function of a bonding agent, on the other hand, is different. Also called deep primer, basecoat, these designations already describe the application in the approach.

Specifically adapted to the substrates, bonding agents strengthen and harden the substrate, bind fine dust to the surface, fill pores, block and isolate moisture, pollutants, etc..

In most cases, these products are made of binders that are chemically similar to (or at least compatible with) the subsequent coatings, are sufficiently thin and contain no or only small amounts of fillers and pigments.

An important and often insufficiently considered function of a bonding agent coating is pore closure. Sufficient filling of the pores prevents the formation of pinholes or pinholes in the surface of a coating, caused by burst bubbles of air that migrate from the pores through the fresh film to the surface.

On porous, absorbent substrates without a bonding agent, part of the binder of a coating migrates into the pore structure of the substrate. Solids remain behind because of the size of the particles (a filter effect of the pores).

At the interface between coating and substrate, this leads to a binder depletion of the coating. Typical consequential damages are adhesion problems. Properly formulated primer coatings prevent this damage.

PRIMER, BONDING AGENT

PRODUCT NAME Rokryl 316	TECHNOLOGY PMMA Primer Asphalt & Metal	APPLICATION Primer Bonding Agent	BENEFIT For Asphalt For Metal < 0°C
PRODUCT NAME Rokryl 320	TECHNOLOGY PMMA Primer Concrete	APPLICATION Primer Bonding Agent	BENEFIT For Concrete < 0°C
PRODUCT NAME DuroFlex PU 671	TECHNOLOGY PUR Primer Sealant Impregnation Flexible	APPLICATION Coating – Non-Permeable Impregnation Sealant Primer, Bonding Agent On Asphalt On Concrete On Screed	BENEFIT Flexible Clear Sealant On Asphalt On Bitumen
PRODUCT NAME Silox Bauharz 806	TECHNOLOGY Building Resin Casting Resin Epoxy Resin	APPLICATION Repair Mortar Litter Layer Glueing Natural & Artificial Stones Joint Mortar Bonding Bridge Polymer Concrete	BENEFIT For Wet Conditions Adhesion On Metal Adhesion On Wood Clear And Shiny Surface Elastified Transparent
PRODUCT NAME HydroBloc SI 700	TECHNOLOGY Max. Moisture 60%	APPLICATION Horizontal Barrier Surface Hydrophobisation Raising Damp Prevention Primer	BENEFIT Ready To Use Solvent Free Strengthening Silification Hydrophobisation
PRODUCT NAME Kieselzol 701	TECHNOLOGY Max. Moisture 60%	APPLICATION Horizontal Barrier Surface Hydrophobisation Raising Damp Prevention Primer	BENEFIT Ready To Use Solvent Free Strengthening Silification Hydrophobisation
PRODUCT NAME HydroBloc SI 740	TECHNOLOGY Cream Water Based	APPLICATION Surface Hydrophobisation Surface protection Deep ground	BENEFIT Surface Protection Alkaline Resistant Paintable With Dispersion Paint Solvent Free Excellent Penetration Water Vapour Permeable No Film

PRODUCT NAME Silox Bauharz 803 nt	TECHNOLOGY Building Resin Casting Resin Epoxy Resin	APPLICATION Litter Layer Scratch Mortar Topcoat Joint Mortar Primer, Bonding Bridge Polymer Concrete Repair Mortar Adhesive Reinforcement	BENEFIT Mechanical Stability Chemical Resistance Curing In Thin Layers Low Tool Stickiness Low Alergenic Potential Excellent Wetting
PRODUCT NAME Silox Bauharz 805 LC	TECHNOLOGY Building Resin Casting Resin Epoxy Resin	APPLICATION Scratch Coat Concrete Repair Joint Mortar Primer, Bonding Bridge Polymer Concrete Repair Mortar Drain Mortar	BENEFIT Elastified Impact Resistant Low Viscous Fast Curing Stick Free
PRODUCT NAME Silipox Baukleber 824	TECHNOLOGY Epoxy Adhesive	APPLICATION Glueing Concrete Cones Ahesive Mortar Concrete Repair Primer, Bonding Bridge	BENEFIT For Wet Surfaces No Primer Needed Glues Wood Glues Steel Glues Stone Glues Concrete
PRODUCT NAME Silox Bauharz 830	TECHNOLOGY Building Resin Casting Resin Epoxy Resin	APPLICATION Repair Mortar Glueing Natural Stones Bonding Bridge Polymer Concrete Joint Mortar Adhesives	BENEFIT For Wet Conditions Bonding Bridge For Coatings Adhesion On Metal Clear And Shiny Surface Elastified Resin
PRODUCT NAME Silox Bauharz 831	TECHNOLOGY Building Resin Casting Resin Epoxy Resin Fast Reaction	APPLICATION Repair Mortar Glueing Natural Stones Bonding Bridge Polymer Concrete Joint Mortar Adhesives	BENEFIT For Wet Conditions Bonding Bridge For Coatings Adhesion On Metal Clear And Shiny Surface Elastified Resin
PRODUCT NAME Silox Bauharz 834	TECHNOLOGY Casting Resin Casting Mortar Wet Surfaces Slow Reaction	APPLICATION Repair Mortar Coating Mortar Casting Mortar Anchor Mortar Bonding Agent Between Concrete Casting Machine Foundations	BENEFIT Excellent Adhesion On Wet Surfaces Adhesion On Metal Adhesion On Many Plastics Cured Mortar Is Tough Elastic And Stick Free

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Silox Bauharz 835	Casting Resin Casting Mortar Wet Surfaces Fast Reaction	Repair Mortar Coating Mortar Casting Mortar Anchor Mortar Bonding Agent Between Concrete Casting Machine Foundations	Excellent Adhesion On Wet Surfaces Adhesion On Metal Adhesion On Many Plastics Cured Mortar Is Tough Elastic And Stick Free
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Silox Tiefgrund 837	Epoxy Primer Surface Enhancement	Primer, Bonding Bridge Surface Strengthening	Deep Penetration Enhance Surfaces Stabilisation Of Mineral Surfaces
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Silox EPW 856	Epoxy Primer Permeable	Coating – Non-Permeable Primer, Bonding Agent	Permeable Water Dilutable For Wet Surfaces Impregnation
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Spezial Primer A-867	Special Primer For Polyurethane And Epoxy Coatings	Primer, Bonding Agent Adhesion On Tiles Adhesion On Glass Adhesion On Metal Adhesion Between Coatings And Surface Waterproof Bonding Bridge	1 Component Super Adhesion Fast Curing Chemical Coupler Active Bonding
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Spezial Primer G-868	Special Primer For Epoxy Coatings	Primer, Bonding Agent Adhesion On Tiles Adhesion On Glass Adhesion On Metal Adhesion Between Coatings And Surface Waterproof Bonding Bridge	1 Component Super Adhesion Fast Curing Chemical Coupler Active Bonding
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Spezial Primer M-869	Special Primer For PMMA And Acrylate Coatings	Primer, Bonding Agent Adhesion On Tiles Adhesion On Glass Adhesion On Metal Adhesion Between Coatings And Surface Waterproof Bonding Bridge	1 Component Super Adhesion Fast Curing Chemical Coupler Active Bonding
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
DuroFlex Primer 900-P1	Primer Bonding Bridge	Primer, Bonding Agent Primer For Liquid Latex Membranes	1-Component
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
DuroFlex Primer 900-P2	Primer Bonding Bridge	Primer, Bonding Agent Primer For Liquid Latex Membranes On Epoxy Surfaces	1-Component

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
DuroFlex Primer 900-P3	Primer Bonding Bridge	Primer, Bonding Agent Primer For Liquid Latex Membranes On PVC Roofing Membranes	2-Component
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
DuroFlex Primer 900-P4	Primer Bonding Bridge	Primer, Bonding Agent Primer For Liquid Latex Membranes in Biogas Plants Primer For Challenging Surfaces	2-Component

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