

Product Information

SUBSTRATE PRIMER SELECTION TABLE

The following table provides recommendations for priming of properly prepared substrates, and should be used as a guideline when specifying KEMPERTEC® primer. KEMPERTEC® primers are used to improve the adhesion of KEMPEROL® membranes to substrate surfaces. The primer application rate will vary and should be adjusted depending on the substrate absorbency. See individual KSA product data sheets, material safety data sheets, guide specifications and details for complete information regarding the suitability, application and handling of KSA primers.

Note: All substrates must be prepared as necessary prior the application of primers. Surface must be free from gross irregularities, loose, unsound or foreign materials such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer and substrate.

Substrate Preparation For Priming	D/R Primers	EP/EP5 Primers	AC Primer
Cementitious and Masonry Substrates			
Structural Concrete, Lightweight Structural Concrete Scarify, shot blast, grind to remove laitance and open up pores	N	Y	Y
Granite, Marble Scarify, shot blast, grind to remove polished surface and open up pores	N	Y	Y
Sandstone, Limestone, Synthetic Stone Scarify, shot blast, grind to open up pores	N	Y	Y
Porous/Air-Entrained Concrete, Concrete Masonry Block Scarify, shot blast, grind to open up pores	N	Y	Y
Repair and Leveling Mortars Scarify, shot blast, grind to open up pores	N	Y	Y
Clay Brick, Terra Cotta, Tile Scarify, shot blast, grind to remove glazed surface and open up pores	N	Y	Y
Metal Substrates			
Bare Aluminum, Lead, Copper, Zinc Grind to remove corrosion, then MEK/Acetone Wipe	Y	T	Y
Patina Copper MEK/Acetone Wipe	Y	Y	Y
De-Rusted Steel, Galvanized Steel Grind to remove corrosion, then MEK/Acetone Wipe	Y	T	Y
Black Pipe, Cast Iron Grind to remove corrosion and coating, then MEK/Acetone Wipe	Y	Y	Y
Stainless Steel Grind to open up pores, then MEK/Acetone Wipe	Y	Y	Y
Kynar Finish, Ceramic Coated, and Painted Metal Grind to remove coating, then MEK/Acetone Wipe	Y	Y	Y
Wood Substrates			
Plywood Exterior grade only	Y	Y	Y
Wood Plank Requires insulation, cover board, or cap sheet	Y	Y	Y
Dimensional Lumber Direct application for flashings only	Y	Y	Y

Y - Recommended

N - Not Recommended

T - Adhesion Test Required

O - Optional with 2K-PUR for Most Applications

Substrate Preparation For Priming	D/R Primers	EP/EP5 Primers	AC Primer
Glass and Plastic Substrates			
Glass Sand to roughen surface, then MEK/Acetone Wipe	Y	Y	T
Acrylic Sand to roughen surface, then Dry Wipe	T	T	N
Fiberglass Sand to roughen surface, then MEK/Acetone Wipe	Y	Y	N
ABS, PVC - Rigid Sand to roughen surface, then MEK/Acetone Wipe	Y	Y	Y
Existing Bituminous Roofing			
Modified Bitumen Roofing - Smooth APP Surfaced Power wash to remove contaminants	N	Y	N
Modified Bitumen Roofing - Smooth SBS Surfaced Power wash to remove contaminants	N	Y	N
Bituminous Roofing - Aluminum Coated Power wash to remove contaminants and loose coating	N	N	N
Bituminous Roofing - Granular Surfaced Power wash to remove contaminants and loose granules	Y (O)	Y (O)	T
Bituminous Roofing - Flood Coat and Aggregate Requires insulation or cover board	N	N	N
Coal Tar Pitch Roofing - Flood Coat and Aggregate Requires insulation or cover board	N	N	N
Hot-Melt Bituminous Waterproofing Requires application of compatible mineral-surfaced cap sheet	N	N	N
Ethylene-Faced Bituminous (Bituthane) Roofing Requires torch-application of compatible mineral-surfaced cap sheet	N	N	N
Existing Membrane Roofing			
PVC Single-Ply Roofing (weathered) Power wash to remove contaminants, then MEK/Acetone Wipe	T	N	T
EPDM Single-Ply Roofing (weathered) EPDM Manufacturer's splice cleaner and splice adhesive	T	N	N
TPO Single-Ply Roofing (weathered) Special order TPO Primer Available or TPO Manufacturer's splice cleaner and splice adhesive or	T	N	N
Insulation and Cover Boards			
Isocyanurate Foam Insulation - Coated Glass Facer, non-perforated	Y	Y	N
Isocyanurate Foam Insulation - Standard Felt Facer Requires cover board or cap sheet	N	N	N
EPS/XEPS Foam Insulation Requires cover board or cap sheet	N	N	N
Cement Board (Securock, PermaBase, DexCell)	N	Y	Y
Silicone Treated Gypsum Board - Fiberglass-faced (Dens-Deck Prime, Dens-Glass Gold) Not acceptable over existing roofing or direct to concrete	N	Y	N
Silicone Treated Gypsum Board - Unfaced (SecureRock) Not acceptable over existing roofing or direct to concrete	Y	Y	N

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