



Base Sheet Comparison for
Firestone Asphalt Roofing Systems

BASE SHEETS DESIGNED TO PERFORM

Solid insulation with the proper amount of insulating value over a moisture-controlled environment is the first step in building a long-performing roof system. Without a good, solid foundation, any roof system is in jeopardy of premature failure.

An asphalt-based roof system also needs an appropriate base sheet to properly perform. Design criteria will dictate the necessary attributes of that platform. Depending on whether the system is APP, SBS, BUR or a hybrid, Firestone Building Products offers a complete line of membranes to fulfill any anticipated need.

General Base Sheets

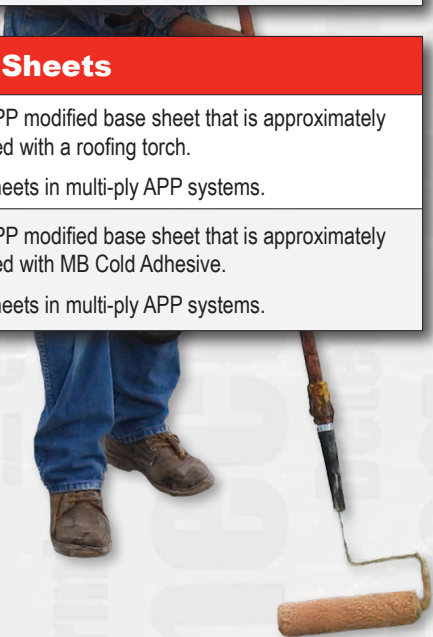
| | |
|-----------------------------|--|
| MB Base | <ul style="list-style-type: none"> » High performance roofing base sheet made from an asphalt impregnated glass fiber mat reinforcement, designed to provide superior durability and ease of installation in asphalt roofing systems. |
| Channel Venting Base | <ul style="list-style-type: none"> » Non-woven, heavy glass fiber mat coated with oxidized asphalt with factory-applied ceramic granules on the underside. Slight channels are embossed into the granule surface to aid in vapor pressure equalization. » A light coat of sand on the top surface allows adhesion of subsequent layers with hot asphalt, Firestone All-Purpose MB Cold Adhesive, Firestone insulation adhesive or a roofing torch. |

APP Base Sheets

| | |
|--------------------------|--|
| APP 80 Glass Base | <ul style="list-style-type: none"> » Fiberglass-reinforced APP modified base sheet that is approximately 80 mils thick and installed with a roofing torch. » Can be used as base sheets in multi-ply APP systems. |
| APP Premium Base | <ul style="list-style-type: none"> » Fiberglass-reinforced APP modified base sheet that is approximately 80 mils thick and installed with MB Cold Adhesive. » Can be used as base sheets in multi-ply APP systems. |

SBS and Hybrid Base Sheets

| | |
|---------------------------------|--|
| SBS Base | <ul style="list-style-type: none"> » Fiberglass reinforced, approximately 90 mils thick and provides strength, but little elongation over a wide temperature range. » Can be installed with either hot asphalt or Firestone Multi-Purpose MB Cold Adhesive. |
| SBS Premium Base | <ul style="list-style-type: none"> » Reinforced with a glass fiber mat/glass scrim composite, approximately 90 mils thick. » Provides more strength and elongation values than SBS Base. » Can be installed with either hot asphalt or Firestone Multi-Purpose MB Cold Adhesive. |
| SBS Glass Torch Base | <ul style="list-style-type: none"> » Fiberglass reinforced and approximately 120 mils thick. » Designed for torch applications with a bottom burn-off film. » Provides strength, but little elongation. |
| SBS Glass Torch Base 1.5 | <ul style="list-style-type: none"> » Lighter-weight fiberglass-reinforced torch product approximately 90 mils thick with a bottom burn-off film developed for the experienced torch operator. |
| SBS Poly Base | <ul style="list-style-type: none"> » Fiberglass-reinforced polyester mat that is approximately 90 mils thick. » Provides both strength and increased elongation properties. » Applied with either hot asphalt or Firestone Multi-Purpose MB Cold Adhesive. |
| SBS Poly Torch Base | <ul style="list-style-type: none"> » Fiberglass-reinforced polyester mat that is approximately 90 mils thick. » Provides both strength and increased elongation properties. » Applied with a roofing torch. |
| SBS Premium Poly Base | <ul style="list-style-type: none"> » Strong, flexible, heavy-weight fiberglass-reinforced polyester base. » Meets or exceeds ASTM D 6164, Type II, Grade S and can be installed using hot asphalt or cold adhesive. » Does not have a burn-off film, however an experienced torch operator can successfully install the sheet with a roofing torch. |
| BASEGARD™ SA | <ul style="list-style-type: none"> » Fiberglass-reinforced, 70 mil thick self-adhered base sheet for use with both APP and SBS roof systems. » When heat is applied to the surface from a torch, hot asphalt, or certain 2-part Firestone adhesives, the membrane adhesive is activated, forming a strong bond to the substrate. |



COMPARISON CHART

| Family | Name | ASTM | Thickness (approx. in mils) | Reinforcement | Length (in feet /inches) | Net Coverage (in square feet) | Weight (approx. in pounds) | Criteria | Attachment Method |
|-----------------|-----------------------------|-----------------------------|--------------------------------|--|-----------------------------|----------------------------------|-------------------------------|---|----------------------|
| Universal | MB Base | D 4601, Type II | 55 | Fiberglass mat | 99' 2" | 300 | 71 | Nailable deck, general pupose | Nail, mop, cold |
| | Channel Venting Base | D 4897 Type II | 115 | Fiberglass mat | 31' 8" | 100 | 74 | Deck moisture, nailable deck, general purpose | Nail |
| APP | APP 80 Glass Base | D 6509 | 80 | 1.8 lb/100 ft ² Fiberglass mat | 65' 4" | 196 | 95 | General purpose | Torch |
| | APP Premium Base | D 6509 | 85 | 1.8 lb/100 ft ² Fiberglass mat | 65' 4" | 196 | 100 | General purpose | Cold |
| | APP 160 | D 6222, Type I, Grade S | 164 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 32' 10" | 98 | 102 | General purpose | Torch |
| | APP 160 Cool | D 6222, Type I, Grade S | 155 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 32' 10" | 98 | 98 | General purpose | Cold |
| | APP 170 | D 6222, Type I, Grade S | 175 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 32' 10" | 98 | 105 | Heavy duty | Torch |
| | APP 170 Cool | D 6222, Type I, Grade S | 175 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 32' 10" | 98 | 105 | Heavy duty | Cold |
| SBS & Hybrid | SBS Base | D 6163, Type I, Grade S | 90 | 1.8 lb/100 ft ² Fiberglass mat | 50' | 150 | 85 | General purpose | Cold, mop |
| | SBS Premium Base | D 6163 Type II, Grade S | 90 | 2.0 lb/100 ft ² Fiberglass-scrim reinforced fiberglass mat | 50' | 150 | 82 | Heavy duty | Cold, mop |
| | SBS Glass Torch Base | D 6163, Type I, Grade S | 120 | 1.8 lb/100 ft ² Fiberglass mat | 33' 6" | 100 | 80 | General purpose | Torch |
| | SBS Glass Torch Base 1.5 | D 6163, Type I, Grade S | 90 | 1.8 lb/100 ft ² Fiberglass mat | 50' | 150 | 95 | General purpose | Torch |
| | SBS Poly Base | D 6164, Type I, Grade S | 90 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 50' | 150 | 85 | General purpose | Cold, Mop |
| | SBS Poly Torch Base | D 6164, Type I, Grade S | 120 | 3.9 lb/100 ft ² Fiberglass-reinforced polyester mat | 33' 6" | 100 | 85 | General purpose | Torch |
| | SBS Premium Poly Base | D 6164, Type II, Grade S | 160 | 5.43 lb/100 ft ² Fiberglass-reinforced non-woven polyester mat | 33' 6" | 100 | 115 | Heavy duty | Torch, cold, mop |
| | BASEGARD™ SA | D 1970 | 70 | 1.8 lb/100 ft ² Fiberglass mat | 65' 4" | 198 | 70 | General purpose | SA |

SELECTION CHART

| Concern | Mechanically Fastened | Heat Weld | Cold Adhesive | Hot Mop | Self-Adhered |
|--|--|--|---|---|--------------|
| Deck Contains Moisture <i>Lightweight concrete or an existing roof with suspected moisture</i> | Channel Venting Base | NA | NA | NA | NA |
| Nailable Deck <i>Wood or lightweight concrete, even with an existing roof</i> | Channel Venting Base MB Base | NA | NA | NA | NA |
| General | Channel Venting Base MB Base | APP 80 Glass Base SBS Glass Torch Base SBS Glass Torch Base 1.5 SBS Poly Torch Base | APP Premium Base SBS Base SBS Poly Base | SBS Base SBS Poly Base | BASEGARD SA |
| Heavy Duty <i>An exceptionally strong base sheet is desired</i> | Any heavy duty base sheet can be mechanically attached | APP 160 APP 170 SBS Premium Poly Base | APP 160 Cool APP 170 Cool SBS Premium Base SBS Premium Poly Base | SBS Premium Base SBS Premium Poly Base | NA |



For more information, contact your local Sales Rep or visit

FIRESTONEBPCO.COM

 /FirestoneBuildingProducts  @FirestoneBPCo

Firestone
BUILDING PRODUCTS
NOBODY COVERS YOU BETTER.™