



DensDeck[®]/DensDeck Prime[®]/Storm X[®]

Description: DensDeck, DensDeck Prime, and DensDeck Storm X by Georgia Pacific consist of a silicone-treated gypsum core with embedded fiberglass facers on both sides. DensDeck Prime and Storm X also have a surface that is treated with a non-asphaltic primer to enhance membrane adhesion. DensDeck products can be used as fire-resistant panels in fire-rated floor/ceiling designs and as a coverboard panel for roof membrane applications.

Standards: ASTM C79 and ASTM E136

Panel Application Methods:

1. **Asphalt:** All DensDeck panels, having a thickness greater than 1/4 inch, must have a maximum panel size of 4 feet by 4 feet when applied in hot asphalt. All DensDeck panels, having a 1/4 inch thickness, can be applied in hot asphalt regardless of panel dimension. Maintain the applicable minimum/maximum ranges for the hot asphalt at the point of application. Roof membrane base ply installation is limited to torch application when DensDeck, DensDeck Prime, or Storm X panels are applied in asphalt.
2. **Mechanical Attachment:** When all DensDeck panels are mechanically attached over a metal deck, the panel thickness must be sufficient to span the flutes of the metal deck. See published schematics for fastening frequencies. Siplast minimum fastening requirements call for 1 fastener per 3 square feet of panel area. Contact Siplast for fastening frequencies to meet specific codes/approvals.
3. **Insulation Adhesive:** All DensDeck panels can be applied in Para-Stik or Parafast Insulation Adhesive, regardless of panel dimension. See published schematics for bead spacing sequences.

Membrane Application Direct to DensDeck Panels:

Hot asphalt:	Not approved.
PA-311 Series and SFT Adhesive:	Approved over all DensDeck panels mechanically attached or applied in Para-Stik or Parafast Insulation Adhesive only.
Torch¹:	Approved via single-burner torch. DensDeck (unprimed) must be primed using PA-1125 or PA-917. Torch wagons utilizing multiple burners are not recommended for application of membranes over DensDeck products due to the increased risk of surface calcination and membrane blistering.
Self-Adhesive:	Approved over panels that are mechanically attached or applied in Para-Stik or Parafast Insulation Adhesive only. DensDeck (unprimed) must be primed using PA-1125 or PA-917 Primer. DensDeck Prime and Storm X do not require supplemental priming unless required by a specific code/approval.

¹Siplast recommends that all practices pertaining to NRCA CERTA guidelines be followed when torching methods are employed. This includes performing a fire watch following any torch applications. Always have approved fire-extinguishing equipment nearby.