

# Roof System Application Recommendations



Roofing System	DensDeck® Roof Boards	DensDeck® Prime Roof Boards	DensDeck® DuraGuard Roof Boards
<b>Single Ply Mech Attached</b>	<b>Recommended</b> , has all the properties needed to perform well and maintains long-term fire resistance*	<b>Acceptable</b> , as an alternative to DensDeck Roof Boards and maintains long-term fire resistance*	<b>Acceptable, caution</b> – may create a “double vapor retarder” situation; consult design authority
<b>Single Ply Adhered (solvent)</b>	<b>Acceptable</b> , may require more adhesive and may result in uneven drying	<b>Recommended</b> , controlled absorption and breathable surface resists adhesive blisters	<b>Acceptable</b> , but certain adhesives may not dry quickly and may cause solvent vapor blisters
<b>Single Ply Adhered (water based)</b>	<b>Acceptable</b> , excess adhesive use and absorption may cause uneven drying	<b>Recommended</b> , controlled absorption and ability to dry to the inside	<b>Acceptable</b> , adhesives may take longer to dry through the low perm coating
<b>Mod Bit Torched</b>	<b>Acceptable</b> , but the fiberglass facings may carbonize and turn to a powder, creating a bond breaker	<b>Recommended</b> , works very well without having to field prime***	<b>Acceptable</b> , has been used successfully; coating may blister under extended direct flame
<b>Mod Bit Cold</b>	<b>Acceptable</b> , field primer may be required to control the absorption***	<b>Recommended</b> , controlled absorption and drying of mastic	<b>Acceptable</b> , solvents in mastic may take longer to dry through the low perm coating
<b>Mod Bit Mopped</b>	<b>Acceptable</b> , has a long history, can work but may require field priming and some application temperature guidelines may have to be followed	<b>Recommended</b> , some application temperature guidelines and procedures may have to be followed**	<b>Recommended</b> , the gypsum is isolated from the hot asphalt by the low perm coating minimizing the effects of substrate frothing**
<b>BUR Ply Sheets</b>	<b>Acceptable</b> , has a long history of performing well by following application temperature guidelines	<b>Recommended</b> , can work well by following application temperature guidelines**	<b>Recommended</b> , the gypsum is isolated from the hot asphalt by the low perm coating minimizing the effects of substrate frothing**
<b>BUR Hybrid</b>	<b>Acceptable</b> , has a long history of performing well by following application temperature guidelines	<b>Recommended</b> , can work well by following application temperature guidelines**	<b>Recommended</b> , the gypsum is isolated from the hot asphalt by the low perm coating minimizing the effects of substrate frothing**
<b>Self Adhered</b>	<b>Acceptable</b> , must be field primed prior to installation of membrane	<b>Acceptable</b> , field priming recommended prior to installation of membrane	<b>Recommended</b> , high strength surface and integral coating, does not require field priming***
<b>Spray Foam</b>	<b>Acceptable</b> , can work well but excess absorption of foam may be an issue; may require field priming	<b>Recommended</b> , dark surface increases foam yield and controlled absorption	<b>Acceptable</b> , darker surface increases foam yield
<b>Thermal Barrier</b>	<b>Recommended</b> , has a long history, if bonded vapor retarder is installed choose DensDeck Prime or DensDeck DuraGuard roof board for self adhesive	<b>Acceptable</b> , works well if bonded vapor retarder is used	<b>Acceptable</b> , works well if bonded vapor retarder is used; do not use if vapor retarder is not desired
<b>Fluid Applied</b>	<b>Acceptable</b> , works well but may absorb more coating; rough surface “grabs” coating for high applied coating peel strength	<b>Acceptable</b> , works well and controls absorption of fluid applied coating	<b>Recommended</b> , controlled absorption and high strength surface

\* NRCA and MRCA Fire Testing of Membrane Roof Systems, Tech Bulletin January 2006.

\*\* Acceptable for adhering to insulation by ribbon or spot mopping or for DensDeck Roof Board in mechanically attached systems.

**Flood mopping the board to a substrate followed by a flood mopping of the membrane is not recommended.**

\*\*\* Confirm with membrane manufacturer.



U.S.A.— Georgia-Pacific Gypsum LLC  
Canada— Georgia-Pacific Canada, ULC

#### SALES INFORMATION AND ORDER PLACEMENT

U.S.A. Midwest: **1-800-876-4746**  
West: **1-800-824-7503**  
South: **1-800-327-2344**  
Northeast: **1-800-947-4497**

CANADA Canada Toll Free: **1-800-387-6823**  
Quebec Toll Free: **1-800-361-0486**

#### TECHNICAL INFORMATION

U.S.A. and Canada: **1-800-225-6119**  
[www.gpgypsum.com](http://www.gpgypsum.com)

©2010 Georgia-Pacific Gypsum LLC. All rights reserved.  
Printed in the U.S.A. 1/10. GP-TM Lit. Item #531755.

**TRADEMARKS** Unless otherwise noted, all trademarks are owned by or licensed to Georgia-Pacific Gypsum LLC.

#### REMEDIES AND TERMS OF SALE

All sales of this product by Georgia-Pacific are subject to our Terms of Sale available at [www.gpgypsum.com](http://www.gpgypsum.com).

#### UPDATES AND CURRENT INFORMATION

The information in this document may change without notice. Visit our website at [www.gpgypsum.com](http://www.gpgypsum.com) for updates and current information.

**CAUTION For product fire, safety and use information, go to [www.gp.com/safetyinfo](http://www.gp.com/safetyinfo) or call 1-800-225-6119.**

**HANDLING AND USE—CAUTION** This product contains fiberglass facings which may cause skin irritation. Dust and fibers produced during the handling and installation of the product may cause skin, eye and respiratory tract irritation. Avoid breathing dust and minimize contact with skin and

eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas.

**FIRE SAFETY CAUTION** Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.