

TL-0010 — Use Over Georgia-Pacific DENSDECK® and DENSDECK® Prime

DENSDECK® and DENSDECK® Prime are fiberglass-faced gypsum roof boards manufactured by Georgia-Pacific as nonstructural thermal barriers and membrane substrates for commercial roofing applications.

The GRACE VYCOR™ portfolio of underlayments (GRACE VYCOR™ ICE & WATER SHIELD®, GRACE VYCOR™ ICE & WATER SHIELD® HT, GRACE VYCOR™ ULTRA™, GRACE VYCOR™ SELECT™, and ROOF DETAIL MEMBRANE) maybe applied to Georgia-Pacific DENSDECK® and DENSDECK® Prime. There is no chemical incompatibility. However, because of the nature of the fiberglass surface, the level of membrane adhesion may not be as high as when it is applied to a monolithic surface like plywood.

- When the GRACE VYCOR™ underlayments are applied to DENSDECK®, they adhere very well to the fiberglass fabric surface. However, when the adhesion is tested, the fiberglass fails cohesively. This means that part of the fiberglass remains adhered to the membrane and part of the fiberglass remains bonded to the DENSDECK®. The adhesive bond strength of the underlayment is greater than the internal cohesive strength of the fiberglass fabric surface of the DENSDECK®. Therefore, the bond between the DENSDECK® and the underlayment is limited by the fiberglass fabric. This is expected to be an issue only while the membrane remains uncovered before the metal roof is installed.

It is not expected that the use of primers will significantly improve the bond strength between the GRACE VYCOR™ underlayments and the fiberglass fabric surface of DENSDECK®.

- When these underlayments are applied to DENSDECK® Prime, they adhere well to the “treated” surface. If adhesion is marginal, the use of PERM-A-BARRIER® WB Primer will improve the adhesion. Apply the primer at a rate of 250–350 ft²/gal (6–8 m²/L). PERM-A-BARRIER® WB Primer is slippery when wet. Allow primer to dry before walking on the DENSDECK® Prime substrate. Cover the membrane with the exposed roofing material as soon as possible.

CertainTeed.com | Customer Service: 800-233-8990

This document is only current as of the last updated date stated below and is valid only for use in North America. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on [certainteed.com](https://www.certainteed.com). Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact CertainTeed Customer Service.