

TB-0008 — Use Over Fluted Metal Decks

Technical Letter

GCP's self-adhered underlayments (GRACE ICE & WATER SHIELD®, GRACE ICE & WATER SHIELD® HT, GRACE ULTRA™, GRACE SELECT™, Roof Detail Membrane™ and GCP granular underlayment) are to be used as air and vapor barriers only, when installed on a clean, dry fluted metal deck where permitted by local building and fire codes. Care should be taken to make sure that all side laps are made over the tops of the flutes so they can be sufficiently pressed together for a good seal. It is recommended that sheet metal or some other smooth structural substrate be fastened to the metal in the areas where end laps will fall. This will allow the end laps to be pressed together.

Special care should be taken that foot traffic on the roof does not damage the membrane since it is especially susceptible to damage over the troughs of the flutes where it is unsupported.

Roof fasteners driven through the GCP self-adhered underlayment should be placed only over the crests of the flutes where the membrane is supported.

North America customer service: 1-877-4AD-MIX (1-877-423-6491)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

GRACE ICE & WATER SHIELD, GRACE SELECT and GRACE ULTRA are trademarks, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. DensGlass Gold is a registered trademark of Georgia-Pacific Corporation. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 400, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6

This document is only current as of the last updated date stated below and is valid only for use in the United States. 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 www.gcpat.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 GCP Customer Service.

Last Updated: 2025-05-13

gcpat.com/solutions/products/grace-ice-water-shield-roofing-underlayment/tb-0008-use-over-fluted-metal-decks