

Roof it right.®

## GRACE Tri-Flex®

HIGH-PERFORMANCE ROOFING UNDERLAYMENT

- **One 10 sq roll** – covers the same area as 5 rolls of 30lb roofing felt.
- **Strong** – won't tear from fasteners, even in high winds.
- **More durable** – can be left exposed for up to 6 months.



- **Appropriate for use under all common roof coverings.**
- **Ideal for new construction and renovation.**

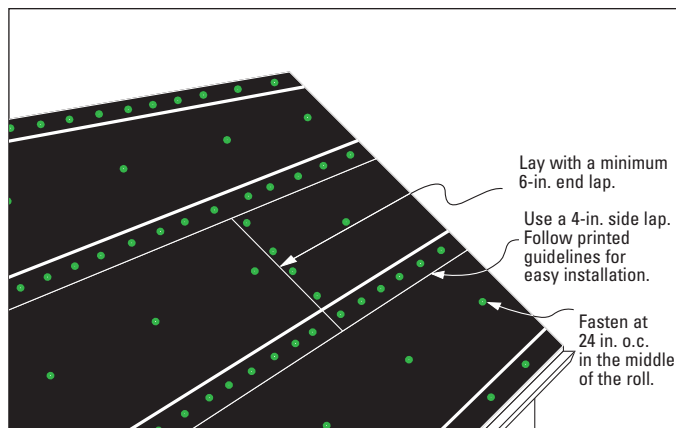


NOA No.: #09-0326.06

For installation instructions see reverse side.

## Installation Guidelines

1. The roof deck must be swept clean and be smooth and dry before installation begins.
2. Grace Tri-Flex is laid horizontally (parallel to eave), starting at the bottom of the roof, with printed side up and with 4-inch side laps and 6-inch end laps. Side laps run with the flow of water in a shingling manner.
3. Grace Tri-Flex should not be used at slopes less than 2:12, provided the slope is also acceptable to the primary roof covering. On slopes of less than 3:12 Tri-Flex should be half-lapped a full 20" over the underlying course, shingle style.
4. Grace Tri-Flex is attached to the roof with roofing nails or staples, both having 1.0 inch diameter plastic/metal caps or other fasteners approved by Grace, spaced at 8.0 inches on center (o.c.) on both side and end laps in normal wind zones. In high-wind zones or coastal applications, double the fastening to 4.0 inches o.c. In all cases fasten at 24.0 inches o.c. down the middle of the roll in the field of the roof. Capped nails and staples may be hand or machine applied.
5. Where seams or joints require sealant or adhesive, use a high-quality, low-solvent, asbestos-free plastic roofing cement meeting ASTM D-4586 Type 1, Federal Spec SS-153 Type 1 (Asbestos Free). Consult your local Grace representative for more details.
6. Install drip edge at eaves under underlayment and at rake over underlayment.
7. Installation of the roof covering can proceed immediately following underlayment application. **Grace Tri-Flex cannot be used as a primary roof covering. The product is not designed for permanent outdoor exposure. The installation of the final roof covering should take place within 6 months.**
8. For additional protection lay a single length of Grace Tri-Flex vertically in valleys and on hips prior to installing metal flashings (if used) and before installing horizontal underlayment. Apply Grace Tri-Flex at least 12 inches up all abutments (more in heavy snow areas). Secure and trim to suit.
9. Prior to loading roofing materials on Grace Tri-Flex it is recommended that roof jacks, toe boards or a storage platform be secured to the underlying roof deck to prevent slippage of stored materials on steep-sloped roofs. See OSHA Regulations (Standards – 29 CFR), Fall Protection Systems Criteria and Practices. - 1926.502
10. Check local building code to ensure compliance in your area, as local building codes may vary.



## Precautions and Limitations

- Consistent with good roofing practice, always wear fall protection when working on a roof deck.
- Slippery when wet or covered by frost, debris or dust.
- Do not fold over the roof edge unless the edge is protected by a drip edge, gutter or other flashing material.
- Use white colored Grace Tri-Flex in hot desert areas in the Southwestern United States. White color is recommend for use in high-altitude/alpine areas.
- Check with the manufacturer of the metal roofing system for any special requirements when used under metal roofing. Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation.
- Do not install under copper, Cor-Ten®, or zinc metal roofing in high altitudes or in the desert southwest. These roofs can reach extremely high temperatures due to the low reflectivity, high absorption, and high conductivity of the metals.
- Provide proper roof insulation and ventilation to help reduce ice dams and to minimize condensation.
- Repair holes, fishmouths, tears, and damage to product. Grace Tri-Flex does not self-seal open-fastener penetrations.
- Use nails and staples ONLY with plastic or metal caps.
- Do not install fasteners through the product over unsupported areas of the structural deck, such as over the joints between adjacent structural panels.
- Do not stretch Grace Tri-Flex during installation. The product should be pulled taut, but should not be stretched.

For customer service call 866-333-3SBM (3726).

Visit our web site at [www.graceconstruction.com](http://www.graceconstruction.com)

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