

TECHNICAL DATA SHEET

DELTA®-TW FLASHING

Self-adhering Throughwall Flashing

MATERIAL

DELTA®-TW FLASHING is a high performance, durable, self-adhering, vapor impereable throughwall flashing that is an important component of the complete DELTA® air and moisture control system. DELTA®-TW FLASHING is made of a special polypropylene (PP) carrier film with a highly aggressive pressure-sensitive butyl-base adhesive with an easily removed polyethylene (PE) release liner. It is fully compliant with AAMA 711-07 *Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products*. Specially designed for use with all DELTA® air and water-resistive barrier membranes. DELTA®-TW FLASHING ensures optimal energy-efficient performance.

PROPERTIES

DELTA®-TW FLASHING helps make an enclosure system air and water tight. It adheres tenaciously to common building substrates and to all DELTA® air and water-resistive barrier membranes. In addition, DELTA®-TW FLASHING is very puncture-resistant with excellent self-sealing qualities that resist air and water ingress at vulnerable detail areas. DELTA®-TW FLASHING is non-bituminous, low odor, and suitable for LEED® rated projects by contributing to a more durable, sustainable, and energy-efficient structure.

APPLICATION

DELTA®-TW FLASHING is used to seal the interface between below grade and above grade building materials and in throughwall applications. It has an easily removed siliconized release liner that, once removed, exposes asphalt-free, highly aggressive, butyl-based adhesive. DELTA®-TW FLASHING forms an exceptional bond to common construction substrates, making it an ideal component in an air and water tight wall assembly.



DELTA® products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For technical support, call our technical support team at 1-888-4DELTA4 (1-888-433-5824) extension 326, or visit www.dorken.com.

Technical Data

Product name	DELTA®-TW FLASHING	
Color	White with blue print	
Tensile strength	3.5 N/mm (Breaking force)	AAMA 711-07 § 5.1 ASTM D5035-06 (2008) Requirement: (0.5 N/mm)
Elongation at break	696.0%	AAMA 711-07 § 5.1 ASTM D5035-06 (2008)
Water penetration resistance around nails	Pass (Initial observation)	AAMA 711-07 § 5.2 ASTM D1970-01 § 7.9
	Pass (After thermal cycling)	
90° peel adhesion	0.39 N/mm (over OSB)	AAMA 711-07 § 5.3 Requirement: (0.26 N/mm)
	0.96 N/mm (over Aluminum)	
	0.69 N/mm (over Vinyl)	
	0.44 N/mm (over Plywood)	
Accelerated aging	2.42 N/mm (Peel adhesion)	AAMA 711-07 § 5.4 Requirement: (0.26 N/mm)
Elevated temperature exposure	1.83 N/mm (Peel adhesion)	AAMA 711-07 § 5.5 Requirement: (0.26 N/mm)
Thermal cycling	2.46 N/mm (Peel adhesion)	AAMA 711-07 § 5.6 Requirement: (0.26 N/mm)
Self-adhering polymer low temperature flexibility	Pass - MD No visible sign of cracking	ASTM D1970-07 Section 7.6 Requirement: (Must pass -18°C)
	Pass - MD Head of water test	
Adhesion of self adhering flashing after water immersion	0.99 N/mm (Peel adhesion initial)	AAMA 711-07 § 5.8 Requirement: (0.26 N/mm)
	1.85 N/mm (Peel adhesion after water immersion)	
Resistance of self adhering flashing to peeling from itself	No - Peeling	AAMA 711-07 § 5.9 Requirement: Maximum edge curl: 13mm Maximum corner curl: 75 mm
	No - Buckling	
	No - Rippling	
	0 mm - Maximum edge curl	
	0 mm - Maximum corner curl	
Roll Size	18" x 75' (46 cm x 22.86 m) 4 rolls per box	
Maximum UV (sunlight) exposure	UV/ weather exposure up to 180 days in climate zones 3-8, and up to 150 days in climate zones 1-2. As per good building practice, cover any WRB as soon as possible	

Recommendations and Limitations:

Apply to a clean, dry surface.
If alternate sealants are used, they should be tested for compatibility before use as per AAMA 713.