DELTA®-VENT SA

Vapor permeable, self-adhered water-resistive barrier & air barrier.

- Air barrier & water-resistive barrier
- Aggressively self-adhering
- Highly vapor permeable


DELTA® is a registered trademark of Ewald Dörken AG, Herdecke, Germany.
Cosella-Dörken
Leading by Technical Competence.

**DELTA®-VENT SA**
The premium solution for energy-efficient wall systems.

Air Barrier That Sticks:

Cosella-Dörken Products, Inc. is a subsidiary of the Dörken Group that has over 100 years of experience in the construction industry. Developed from innovative ideas and manufactured on state-of-the-art production lines, the premium quality products for foundation protection, air and water-resistive barriers, rainscreens, and roofing membranes, set standards for reliability, durability, and energy savings. Located in Beamsville, Ontario, Canada, Cosella-Dörken provides customized solutions and products of outstanding quality. Cosella-Dörken Products, Inc. is and always will be a trustworthy and highly respected partner for designers, architects, distributors and installers.

**DELTA®-VENT SA**
is a critical component of an energy-efficient building enclosure, improving the performance of the wall system. DELTA®-VENT SA is fully adhered to the substrate so fasteners are not required. Hundreds of potential air leakage points are eliminated. It is quick to apply and has a convenient split release liner for easy application. DELTA®-VENT SA is very dimensionally stable and has the most tightly sealed and secure side laps in the industry.
-efficient wall systems.

DELTA®-VENT SA …

■ … is aggressively self-adhesive.
■ … has an air-and water-tight self-adhesive edge.
■ … is highly vapor permeable (50 perms).
■ … the only vapor permeable air barrier that meets the requirements of the Air Barrier Association of America (abaa).
■ … approved by National Air Barrier Association (NABA).
■ … improves energy efficiency.
■ … helps improve the performance of the building enclosure.
■ … passes ASTM D1970 Nail Sealability.
■ … helps to ensure a healthy and comfortable interior climate in stud wall construction due to its excellent physical properties.
■ … easy to install.
■ … is unaffected by surfactants.
■ … matte gray color reduces irritating glare during installation.
■ … NFPA 285 compliant.
■ … produced in an ISO 9001 registered manufacturing plant.
DELTA®-VENT SA

Cosella-Dörken makes your life easier – systematically.

Technical Data Overview:

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Light gray</td>
</tr>
<tr>
<td>Vapor permeance</td>
<td>31 perms (grains/h•ft²•in Hg) ASTM E96-05, Proc. A</td>
</tr>
<tr>
<td></td>
<td>50 perms (grains/h•ft²•in Hg) ASTM E96-05, Proc. B</td>
</tr>
<tr>
<td>Water vapor transmission</td>
<td>214 g/m²•24 h ASTM E96-05, Proc. A</td>
</tr>
<tr>
<td></td>
<td>343 g/m²•24 h ASTM E96-05, Proc. B</td>
</tr>
<tr>
<td>Air leakage of air barrier assemblies</td>
<td>&lt; 0.2 L/(s•m²) @ 75 Pa (0.04 cfm/ft² @ 1.57 lb/ft²) as per ABA, NBC 2010 and ASTM 2357</td>
</tr>
<tr>
<td>Air permeance</td>
<td>Pass (&lt; 0.02 L/(s•m²) @ 75 Pa) ASTM E2178</td>
</tr>
<tr>
<td>Breaking strength</td>
<td>MD 71 lbs/in CD 65.4 lbs/in ASTM D5035-95</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>MD 27.8 % CD 60.1 % ASTM D882-02</td>
</tr>
<tr>
<td>90° Peel adhesion</td>
<td>Pass AAMA 711-5.3 (ASTM D3330)</td>
</tr>
<tr>
<td>Accelerated aging (UV)</td>
<td>Pass AAMA 711-5.5</td>
</tr>
<tr>
<td>Elevated temperature</td>
<td>Pass (Level 3) AAMA 711-5.5 (ASTM D3330)</td>
</tr>
<tr>
<td>Thermal cycling</td>
<td>Pass AAMA 711-5.6</td>
</tr>
<tr>
<td>Adhesion after water immersion</td>
<td>Pass AAMA 711-5.8</td>
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<tr>
<td>Bent test</td>
<td>Pass AC-38 3.3.4</td>
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<tr>
<td>Nail sealability</td>
<td>Pass ASTM D1970-01</td>
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<tr>
<td>Flame spread</td>
<td>14 NFPA Class A; INC Class A ASTM E84-09</td>
</tr>
<tr>
<td>Smoke developed</td>
<td>145 NFPA Class A; IBC Class A ASTM E84-09</td>
</tr>
<tr>
<td>Roll length</td>
<td>115” (35 m)</td>
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<tr>
<td>Roll width</td>
<td>4’ 11” (1.5 m)</td>
</tr>
</tbody>
</table>

See Technical Data Sheet for further technical data.

DELTA®-Accessories for DELTA®-VENT SA.

DELTA®-MULTI BAND
pure acrylic adhesive tape used at overlaps of
DELTA® air & water-resistant barriers.

DELTA®-FLASHING
used to seal openings for windows and doors
to complete the DELTA®
air & WRB system.

DELTA®-FLEXX-BAND
stretchable butyl rubber tape used at penetrations.

DELTA®-THAN
permanently elastic, special rubber compound sealant and adhesive.

DELTA®-FAS CORNER
preformed to make corners in window and
door openings air and water tight.

DELTA®-ADHESIVE LVC
surface preparation
with low solvent content.

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