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TECHNICAL BULLETIN

No.:

**0198CE** Sept. 17, 1998

REPLACES:

N/A

Relates to:	✓	Roofing Systems		
	✓	Air Barrier		
	Civil Engineering Waterproofing			
		Sopranature		

**Subject: Perm Conversion Factors** 

Related Subject: N/A

The following are the ASTM E-96 standards regarding the unit conversion of water vapour permeance:

## **Metric Units and Conversion Factors:**

Unit	Multiply by	To Obtain
	DEDMEANCE	
	PERMEANCE	
ng/(Pa∙s∙m²)	0.0175	1 Perm (inch-pound)
1 Perm (inch-pound)	57.2	ng/(Pa•s•m²)
	Water Vapor Transmission (WVT)	
g/(h•m²)	1.43	grains/(h•ft²)
g/(h•m²) grains/(h•ft²)	0.697	grains/(h•ft²) g/(h•m²)
	PERMEABILITY	
g/(Pa∙s•m)	6.88 x 10 <sup>8</sup>	1 Perm inch
1 Perm inch	1.45 x 10 <sup>-9</sup>	g/(Pa∙s•m)

Remember:  $1 \text{ ng} = 1 \times 10^{-9} \text{ g}$ 

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Note:

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