



AquaForm DC1 Technical Data Sheet

Product Description:

- AquaForm DC1 is a pre-fabricated metal enclosure, with built in weeps and baffles, designed to capture water from window failures and divert it away from the rough opening and into the cavity wall.

Method of Application:

- Set the flanges in the air barrier manufacturer's sealant.
- Screw through the closure's flange into the studs around the rough opening.
- Follow AquaForm DC1 Installation Manual for complete installation process.

Storage:

- AquaForm DC1's can be stored outdoors.

Precautions:

- Use OSHA safety practices while installing the AquaForm DC1.
- Attention should be paid to good house-keeping practices.
- Wear gloves while the AquaForm DC1.

Physical Characteristics:

- .050 Aluminum Thickness
- H14 Temper
- 3003 Aluminum Alloy
- Drainage Baffle
- Hemmed Edge

Composition Specification (%):

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
									Each	Total
3003	0.6	0.7	0.05-0.20	1.0-1.5	-	-	0.10	-	0.05	0.15

Mechanical Property Specification:

Alloy & Temper	Tensile Strength (MPa)	Yield Strength 0.2% Proof (MPa) min	Elongation (% in 50mm)				
			minimum for sheet or plate thicknesses shown				
			0.20-0.32mm	0.33-0.63mm	0.64-1.20mm	1.21-6.30mm	6.31-80.0mm
3003-H14	140 - 180	115	1	2	3	5	8 *

Physical Properties:

Alloy	Density (kg/m ³)	Elastic Modulus (GPa)	Mean Coefficient of Thermal Expansion 20-100°C (µm/m/°C)	Thermal Conductivity at 25°C (W/m.K)	Electrical Conductivity MS/m at 20°C		Electrical Resistivity (nΩ.m)
					Equal Volume	Equal Mass	
3003	2730	69	23.2	193	29	92	34

Grade Specification Comparison:

Alloy	UNS No	ISO	BS	DIN	
				No	Name
3003	A93003	AlMn1Cu	N3	3.0517	AlMnCu

These comparisons are approximate only. The list is intended as a comparison of functionally similar materials **not** as a schedule of contractual equivalents. If exact equivalents are needed original specifications must be consulted.

References:

- Aluminum Association – Aluminum Standards and Data

Limitation of Liability:

- The information contained in this data sheet is not an exhaustive statement of all relevant information. It is a general guide for customers to obtain information from AquaForm LLC about the product