



## AquaForm NDC1 Technical Data Sheet

### Product Description:

- AquaForm NDC1 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 NDC1 Installation Manual for complete installation process.

### Storage:

- AquaForm NDC1's can be stored outdoors.

### Precautions:

- Use OSHA safety practices while installing the AquaForm NDC1.
- Attention should be paid to good house-keeping practices.
- Wear gloves while the AquaForm NDC1.

### 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 <sup>3</sup> )	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