

DC140

HANDRAIL WALL PROTECTION SYSTEM

-Profile Length: 4m

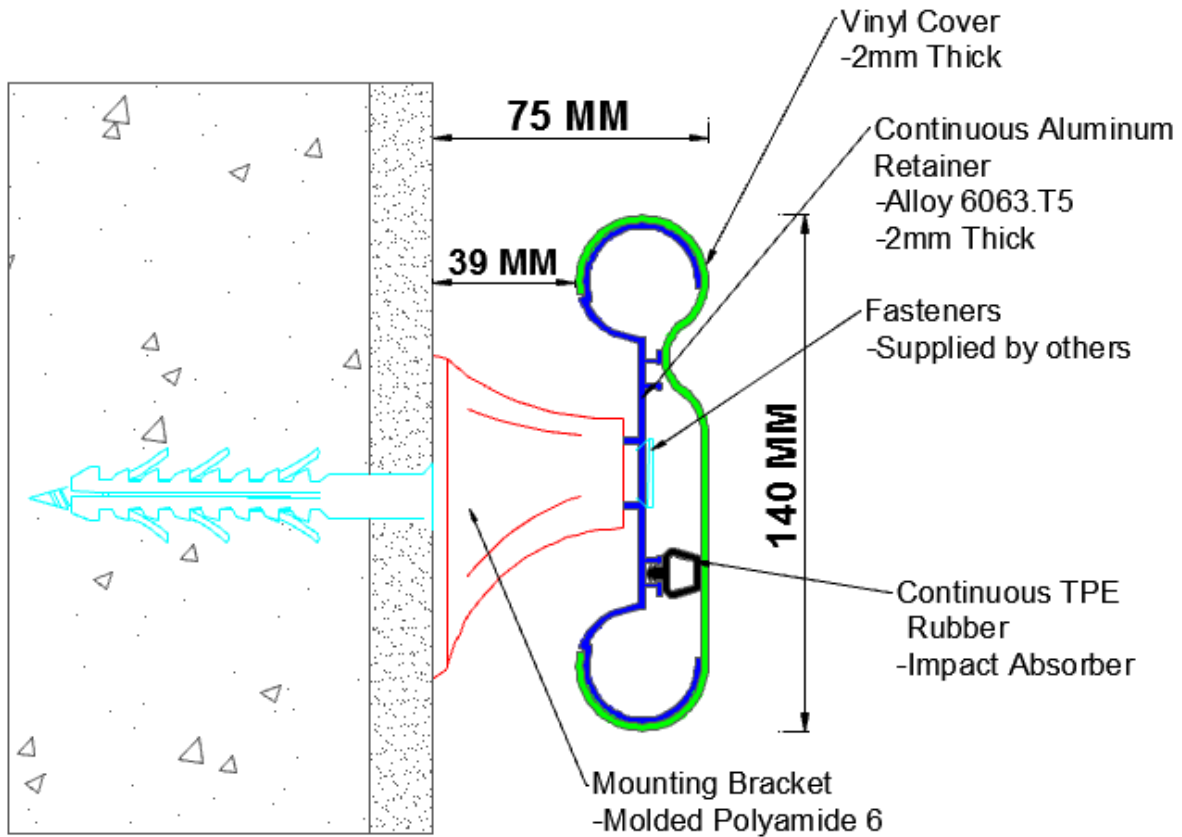
- Finish color: ARFEN's 32 standard colors (Custom colors available)

-Molded (Polyamide 6) left and right returns WG006-1 & WG006-2

-Molded (Polyamide 6) inside and outside corners WG007-1 & WG007-2



Product
Instructor



www.arfen.com

TURKEY Head Office and Factory

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Materials Specifications

PVC Vinyl Cover Chemical and Physical Properties

Chemical Compound	PVC, Ca Co ₃ , Ca Zn, Ti O ₂ , Masterbatch, Anti-microbial Additives and Impact Modifier
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Properties	Test Method	Result
Density	ISO 1183	1420 Kg/m ³
Fire Resistance	DIN 4102-1	B1
Impact Resistance	ASTM D256	37 Kj/M2
Anti-microbial	ASTM E2149	Reduction Percentage exceed 99.9%

Aluminium Alloy 6063.T5 Chemical and Physical Properties

	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr
Standard of 6063T5 (EN 573-3)	0.20 0.60	Max 0.35	Max 0.10	Max 0.10	0.45 0.90	Max 0.10	Max 0.10	Max 0.10
Measured Values	0.458	0.239	0.0161	0.0804	0.524	0.0201	0.0106	0.0049

Properties	Unit	Value
Density	gm/cm ³	2,71
Thermal Expansion	(200-100 C°)/C°	23*10
Elastic Module Tension	Kg/mm ²	6900
Tensile Strength	at 24 C°Kg/mm ²	15,5
Elongation	Delta L/L*100 (50 mm)	8%
Hardness	Kg/mm ² Brinel (HB)	60-65
Yield Strength	Kg/mm ²	12
Shear Strength	Kg/mm ²	11,5

Polyamide 6 Physical Properties

Properties	Test Method	Result
Molding Shrinkage (Parallel)	ISO 294-4	1.1/* %
Molding Shrinkage (Normal)	ISO 294-4	1.1/* %
Yield Stress	ISO 527-1/-2	85/45 MPa
Yield Strain	ISO 527-1/-2	4/25 %
Nominal Strain at Break	ISO 527-1/-2	20/>50
Burning Behav.	IEU 60695-11-10	V-2/* class
Oxygen Index	ISO 4589-1/-2	26/* %
Water Absorption	Sim. To ISO 26	10/* %
Humidity Absorption	Sim. To ISO 26	2.8/* %
Density	ISO 1183	1130 Kg/m ³

TPE Physical Properties

Physical Properties	ASTM Test Method	Result
Tensile Strength	D-412	850 psi
Elongation at break	D412	300%
Hardness Shore A	D-2240	67±3
100% Modulus,min	D-412	275 psi
Tear Strength	D-624	140 lbs/in
Tension set ,avg	D-412	10%
Compression set max 22 hrs@73°F / 22 hrs@257°F ,max	D-395	35% 45%
Ozone Resistance	D-1171	No craks
UV resistance	SAE J1960	Pass
Staining resistance	D-925	No staining

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