

# ResoNix Mega CLD Squares

## Physical Specs

. 12" x 12"

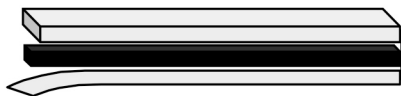
. 120mil thick butyl

. 12mil thick aluminum

. 1.1 lb per square foot

. Made in the USA

### Product Construction:



Aluminum Foil

Viscoelastic Polymer

Release Liner

### Properties:

Color	Facing	Aluminum Foil
	Polymer	Black
Specific Gravity		1.50
Hardness (ASTM D-5)	Metric	6.5 - 9.0 mm
	English Units	255.9 mils - 354 mils
Shelf Life		At least 6 months when stored at 40°C or less
Temperature Resistance		Withstands a bake of 1 hour at 200°C with no deformation
Cold Flexibility		Can be bent around a 25mm mandrel at -30°C with no cracking or loss of adhesion
Flammability		Meets FMVSS 302, self-extinguishing
Damping Properties (Per SAEJ1637, 0.8 mm test beam)		Composite Loss Factor ( $\eta$ c) 20°C @ 200 Hz: 0.7
	Oily Cold Rolled Steel	42 N/25mm
Peel Strength (90 ° Peel, 300 mm/min)	Oily Galvanized Steel	35 N/25mm
	E-Coat (ED-11)	65 N/25mm

### Testing thru Ford WSS-M5G58-A2

#### APT-200-415

#### Ford Requirements

3.4	Color	Black	Black
3.5	Solids, Min	99.00%	98.00%
3.6	Fogging	>70	>70
3.7	Weight per volume @23°C	1.50 ± 0.05kg/L	1.3 - 1.7 kg/L
3.8	3.8 Cone Penetration (ASTM D937)		
	3.8.1.1 At 23+/-2C	70	45 - 75 (internal spec. 80 -95)
	3.8.1.2 At -23+/-2C, max	60	10 min
3.9	Flow Rate (FLTM BV 153-01)	No flow, pass	No flow
3.10	Cold Resistance After aging	Pass	No loss of adhesion
3.11	Shear Adhesion		
	3.11.1 At 23C+/-2C, min	34.7	30 kpa, min.
	3.11.2 At -30C+/-2C	Pass	No loss of adhesion
	3.11.3 At 60+/-2C	10 kpa	10 kpa, min.
3.12	Peel Adhesion, min	15.0 N/cm	5.5 N/cm
3.13	Compression Load	545 N	350-840 N
3.14	Repair Oven Stability	Pass	No blistering
3.15	Migration Staining	Pass	No migration stain
3.16	Quality	Pass	free from foreign materials
3.17	Storage Stability (from date of receipt)	Pass	12 months