

ROOF-GARD™

ROOFING PAD SOLUTIONS by HUMANE



A safe, simple, economical solution to protect roofs from damaging foot traffic.

- Quickly and easily installed
- Use for walkways, machinery pads & vibration pads or full coverage
- Use with single ply or built up roofing
- Non-skid surface designs provide sure footing, even when wet
- Available in 3/8", 1/2" or 3/4" thicknesses

Roof-gard Pads can be used on all types of new and existing roofs to provide a safe, stable, maintenance free walkway for access to water supply, air conditioning, or electrical equipment.

Due to its non-porous properties, Roof-Gard is not affected by freeze or thaw conditions and stays in place when attached to the roof. Proper spacing of pads eliminates water damming, and our pads are easily cut to conform around drain openings or other roof obstructions.

Roof-gards are available in both Treadsafe (diamond) and button textures. Both are heavy duty, solid recycled rubber pads designed for the roofing industry.

Roof-Gard pads are available in 29 standard sizes and custom designs are available upon request.



ROOF-GARD™ Physical Properties

-Original Physical Properties

ASTM D 412, D 2240

Die C dumbbells tested at 20 in./min

RESULTS

Ultimate Elongation %	80
Tensile Strength, PSI	600
Shore A Durometer, PTS	64

-Ultraviolet Light Exposure

ASTM D 925

Specimens exposed 168 hours at a 10 in. distance from a 275 W. type RS bulb. Die C dumbbells tested at a 20 in./min

RESULTS

Ultimate, Elongation %	70
Tensile Strength, PSI	470
Shore A Durometer, PTS	70

-Taber Abrasion, ASTM D 3389

RESULTS

Taber wear index	436
mg/loss 1000 cycles	

-Artificial Weathering

ASTM 750, G, 23

Specimens exposed 300 hours in a carbon arc burning, ASTM G 23 Type E Weatherometer with water spray and alternate corex D filters removed

RESULTS

Ultimate, Elongation %	80
Tensile Strength, PSI	460
Shore A Durometer, PTS	70

-Heat-Aged Physical Properties

ASTM D 573

336 hours @ 185 degrees F in a forced-air oven, Die C dumbbells tested at 20 in./min

RESULTS

Ultimate, Elongation %	3-
Tensile Strength, PSI	300
Shore A Durometer, PTS	75

-Flame Resistance, UL 94HB

RESULTS

Burn rates, in./min	84	REQUIRE
		1.5 MAX

-Flame Resistance, MIL-M-15562F

Horizontal Burn

RESULTS

After flame duration	72	REQUIRE	240 max
Char length, inches	4		10 max

-Specific Gravity, ASTM D 297

Water displacement method. Specific displacement method

Specific gravity, g/m 1.06-1.15

-Tear Resistance, ASTM D 624, Die C

RESULTS

Tear Strength, lbs./in	117
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-Compression/Deflection ASTM D 575 Method A

1 in 2 surface area buttons deflected at 0.5 in./min

Deflection	Load/PSI
5	50
10	100
20	205
30	345
40	610
50	1000*

-Dimensional Stability

Samples aged 24 hours @ 120 degrees F, 24 hour recovery

Length change %	0.24
Width change %	0.24



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-Mat Spacing

Mats should be spaced 2" apart to permit expansion during hot weather. See installation guide for complete instructions

TreadSafe

MAZ8270	48"x 72"x 3/4"
MAZ8272	36"x 48"x 3/4"
MAZ8274	24"x 72"x 3/4"
MAZ8275	24"x 36"x 3/4"
MAZ8271	32"x 48"x 3/4"

MAZ8240	48"x 72"x 1/2"
MAZ8250	36"x 48"x 1/2"
MAZ8252	24"x 72"x 1/2"
MAZ8255	24"x 36"x 1/2"
MAZ8251	32"x 48"x 1/2"

MAZ8290	48"x 72"x 3/8"
MAZ8292	36"x 48"x 3/8"
MAZ8294	24"x 72"x 3/8"

Button Mats

MAZ8276	48"x 72"x 1/2"
MAZ8278	36"x 48"x 1/2"
MAZ8280	24"x 72"x 1/2"
MAZ8279	24"x 36"x 1/2"

MAZ8277	30"x 48"x 1/2"
MAZ8281	24"x 30"x 1/2"
MAZ8283	24"x 90"x 1/2"

MAZ8282	48"x 72"x 3/8"
MAZ8284	36"x 48"x 3/8"
MAZ8286	24"x 72"x 3/8"
MAZ8285	24"x 36"x 3/8"

MAZ8287	30"x 48"x 3/8"
MAZ8288	24"x 30"x 3/8"
MAZ8289	24"x 90"x 3/8"

Fluid Resistance ASTM D473 Specimens immersed 24 hrs @ 73 *

Test Fluids	Ultimate Elongation %	Tensile Strength PSI	Shore A Durometer PTS	Volume Change %
Naptha	30	160	45	+80.3
Xylenes	10	70	36	+156.3
Unleaded Gas	30	130	42	+68.4
Wesson Oil	100	710	42	+7.2
10W-30 Motor Oil	90	660	42	+7.4
MIL-H-5606E	50	210	48	+70.2
ASTM #2 Oil	70	500	64	+3.1
Concentrated Lactic Acid 85%	90	580	59	0.0
Sulfuric Acid	80	530	48	+0.5