

SARASOTA AGRICULTURAL CENTER

Sarasota, Florida

ORIGINAL 36^{MIL}

► Installed – 1983

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	32.1 oz	24.1 oz
Total Thickness	39.0 mils	28.0 mils
Thickness over Fiber (face)	11.18557 mil	4.32990 mil
Thickness over Fiber (back)	12.80928 mil	10.82474 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	382 (warp)	334 (warp) 272 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	626	338
Puncture ASTM D751 (Screwdriver) lb _f	69	62



ENVIRONMENT

Exposure to extreme UV light, torrential rain, and hurricane-force winds.



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PUNTA GORDA PUBLIC LIBRARY

Punta Gorda, Florida

ORIGINAL 36MIL

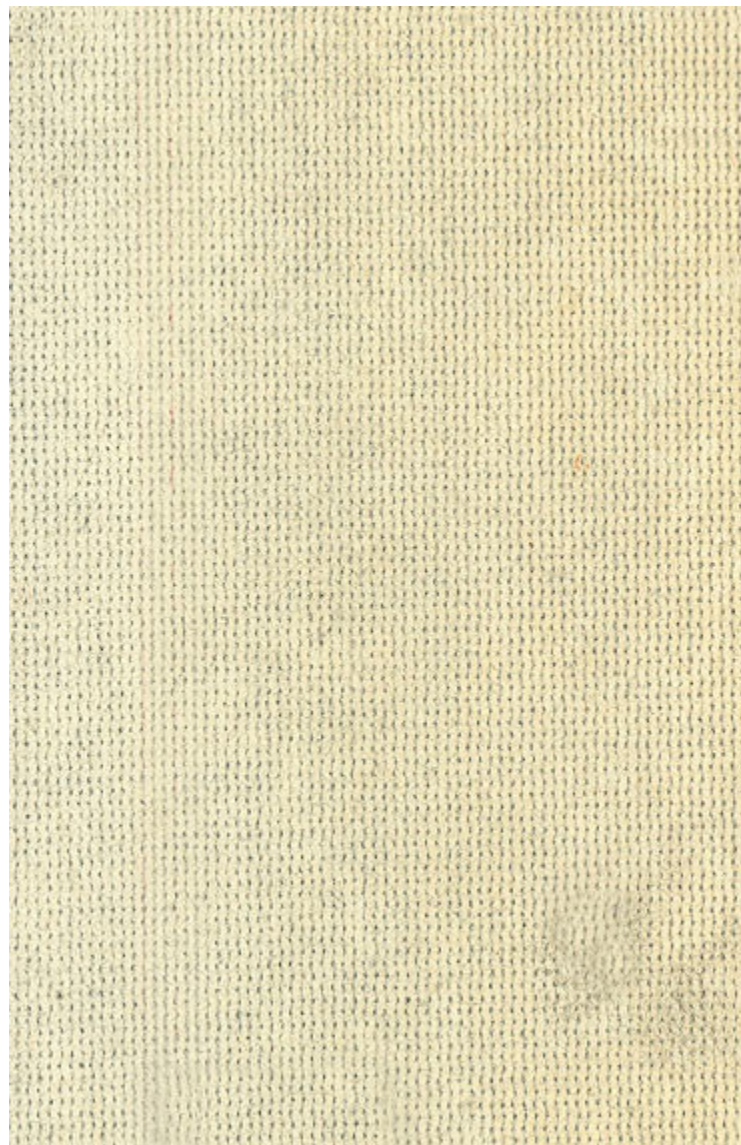
► Installed – 1985

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	30.6 oz	22.9 oz
Total Thickness	33.0 mils	27.0 mils
Thickness over Fiber (face)	8.29897 mil	3.96907 mil
Thickness over Fiber (back)	14.61340 mil	12.80927 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	289 (warp)	276 (warp) 291 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	587	279
Puncture ASTM D751 (Screwdriver) lb _f	61	56



ENVIRONMENT

Hot summers, UV exposure, sub-zero temperatures and hail.



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INDIAN RIVER SCHOOL, VERO BEACH ELEMENTARY

Vero Beach, Florida

ORIGINAL 36^{MIL}

► Installed – 1986

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	31.2 oz	23.1 oz
Total Thickness	34.0 mils	28.0 mils
Thickness over Fiber (face)	9.20103 mil	4.14948 mil
Thickness over Fiber (back)	14.43530 mil	11.72681 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	329 (warp)	319 (warp) 306 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	707	367
Puncture ASTM D751 (Screwdriver) lb _f	74	68



ENVIRONMENT

Exposure to extreme UV light, torrential rain, and hurricane-force winds.



BALDWIN WALLACE, LOU HIGGINS CENTER

Berea, Ohio

ORIGINAL 36^{MIL}

► Installed – 1986

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	30.9 oz	25.9 oz
Total Thickness	33.0 mils	28.0 mils
Thickness over Fiber (face)	13.89175 mil	8.840205 mil
Thickness over Fiber (back)	12.62887 mil	11.54639 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	370 (warp)	356 (warp) 365 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	679	619
Puncture ASTM D751 (Screwdriver) lb _f	81	72



ENVIRONMENT

Hot summers, high UV light, sub-zero temperatures, snow and hail.



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RUBBERMAID, INC.

Greenville, Texas

ORIGINAL 36MIL

► Installed – 1984

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	30.9 oz	23.6 oz
Total Thickness	34.0 mils	27.0 mils
Thickness over Fiber (face)	9.02454 mil	4.32896 mil
Thickness over Fiber (back)	16.41753 mil	12.80928 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	307 (warp)	238 (warp) 278 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	376	236
Puncture ASTM D751 (Screwdriver) lb _f	73	49



ENVIRONMENT

Tornados and high winds, extreme UV exposure, hot summers, hail, and extreme thunderstorm conditions.



INN MAID NOODLES

Millersburg, Ohio

ORIGINAL 36^{MIL}

► Installed – 1981

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	32 oz	26.6 oz
Total Thickness	35 mils	30 mils
Thickness over Fiber (face)	10.10309 mil	6.13402 mil
Thickness over Fiber (back)	12.99226 mil	13.17010 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	367 (warp)	376 (warp) 342 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	634	461
Puncture ASTM D751 (Screwdriver) lb _f	79	78



ENVIRONMENT

Hot summers, UV exposure, sub-zero temperatures, snow and hail.



SAINT-GOBAIN GLASS

Goodyear, Arizona

ORIGINAL 36MIL

► Installed – 1988

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	N/A	24.6 oz
Total Thickness	28.8 mils	22.3 mils
Thickness over Fiber (face)	9.56185 mil	5.41838 mil
Thickness over Fiber (back)	11.54639 mil	9.38144 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	N/A*	356 (warp) 365 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	N/A*	291
Puncture ASTM D751 (Screwdriver) lb _f	N/A*	67



ENVIRONMENT

Exposure to extreme UV light, desert heat, high winds and heavy foot traffic.

**Unexposed sample too small to test*



LONGBOAT HARBOR

Longboat Key, Florida

ORIGINAL 36^{MIL}

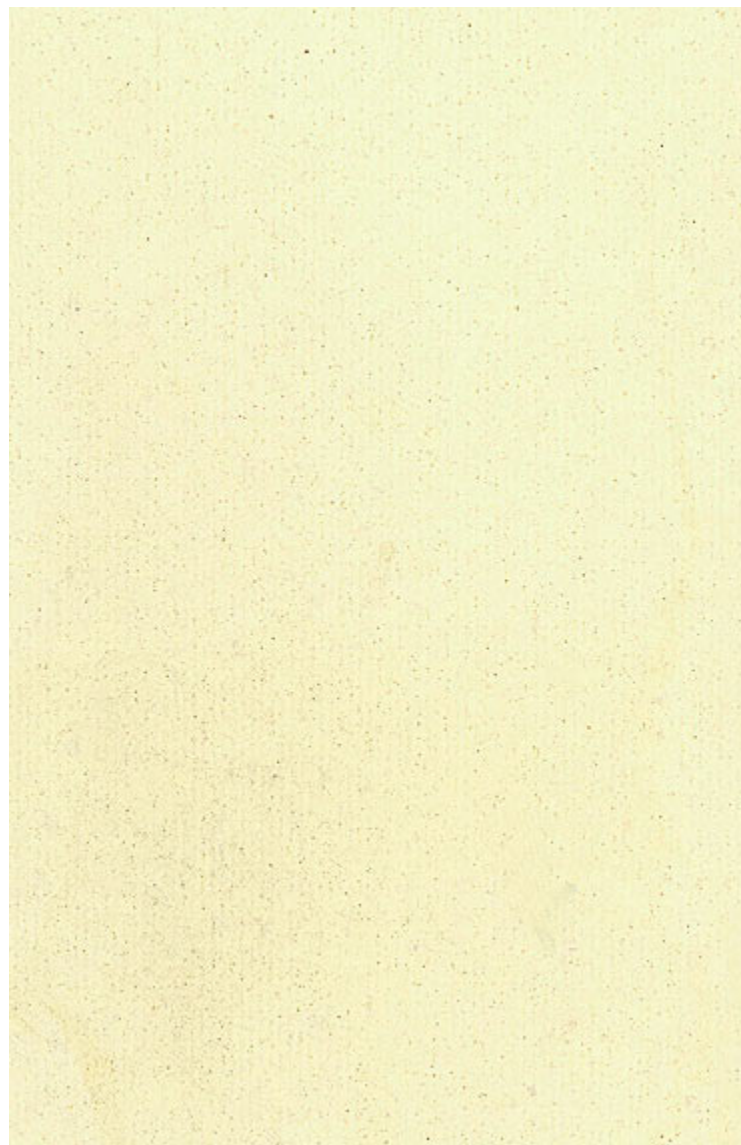
► Installed – 1984

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	29.9 oz	22.1 oz
Total Thickness	34.0 mils	25.0 mils
Thickness over Fiber (face)	9.56185 mil	5.78464 mil
Thickness over Fiber (back)	12.80928 mil	9.92268 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	351 (warp)	320 (warp) 292 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	614	313
Puncture ASTM D751 (Screwdriver) lb _f	78	63



ENVIRONMENT

Exposure to extreme UV light, torrential rain, and hurricane-force winds.



INDIAN RIVER SCHOOLS, DODGERTOWN ELEMENTARY

Dodgertown, Florida

ORIGINAL 36MIL

► Installed – 1986

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	32.1 oz	21.4 oz
Total Thickness	36.0 mils	28.0 mils
Thickness over Fiber (face)	12.26804 mil	4.69072 mil
Thickness over Fiber (back)	15.87629 mil	12.08763 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	317 (warp)	234 (warp) 242 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	594	283
Puncture ASTM D751 (Screwdriver) lb _f	57	58



ENVIRONMENT

Exposure to extreme UV light, torrential rain, and hurricane-force winds.



PALM BEACH COUNTY SCHOOL BOARD

West Palm Beach, Florida

ORIGINAL 36^{MIL}

► **Installed – 1989**

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	not available*	23.2 oz
Total Thickness	not available*	30.4 mil
Thickness over Fiber (face)	not available*	3.6257 mil
Thickness over Fiber (back)	not available*	9.5476 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	not available*	267 (warp)
Puncture ASTM D751 (Ball Tip) lb _f	not available*	277
Puncture ASTM D751 (Screwdriver) lb _f	not available*	64



ENVIRONMENT

Exposure to extreme UV light, torrential rain and hurricane-force winds.

**Unexposed sample too small to test*



WOODLAND LAKES CONDOMINIUMS

West Palm Beach, Florida

ORIGINAL 36^{MIL}

► Installed – 1987

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	not available*	25.5 oz
Total Thickness	33.4 mil	26.3 mil
Thickness over Fiber (face)	7.7360 mil	5.3950 mil
Thickness over Fiber (back)	9.7720 mil	7.7360 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	not available*	342 (warp) 292 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	not available*	484
Puncture ASTM D751 (Screwdriver) lb _f	not available*	77



ENVIRONMENT

Exposure to extreme UV light, torrential rain and hurricane-force winds.

**Unexposed sample too small to test*



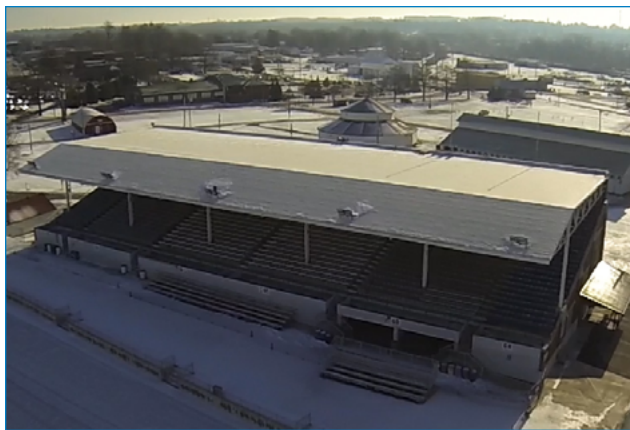
WAYNE COUNTY FAIRGROUND GRANDSTAND ROOF

Wooster, Ohio

ORIGINAL 36MIL

► Installed – 1987

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	29.6 oz	28.4 oz
Total Thickness	30.7 mil	28.2 mil
Thickness over Fiber (face)	7.9390 mil	5.2930 mil
Thickness over Fiber (back)	10.5860 mil	7.1250 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	346 (warp) 335 (fill)	329 (warp) 318 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	698	474
Puncture ASTM D751 (Screwdriver) lb _f	80	75



ENVIRONMENT

Hot summer, UV exposure, sub-zero temperatures, snow and hail.



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AIRSAN CORPORATION

Milwaukee, Wisconsin

ORIGINAL 36^{MIL}

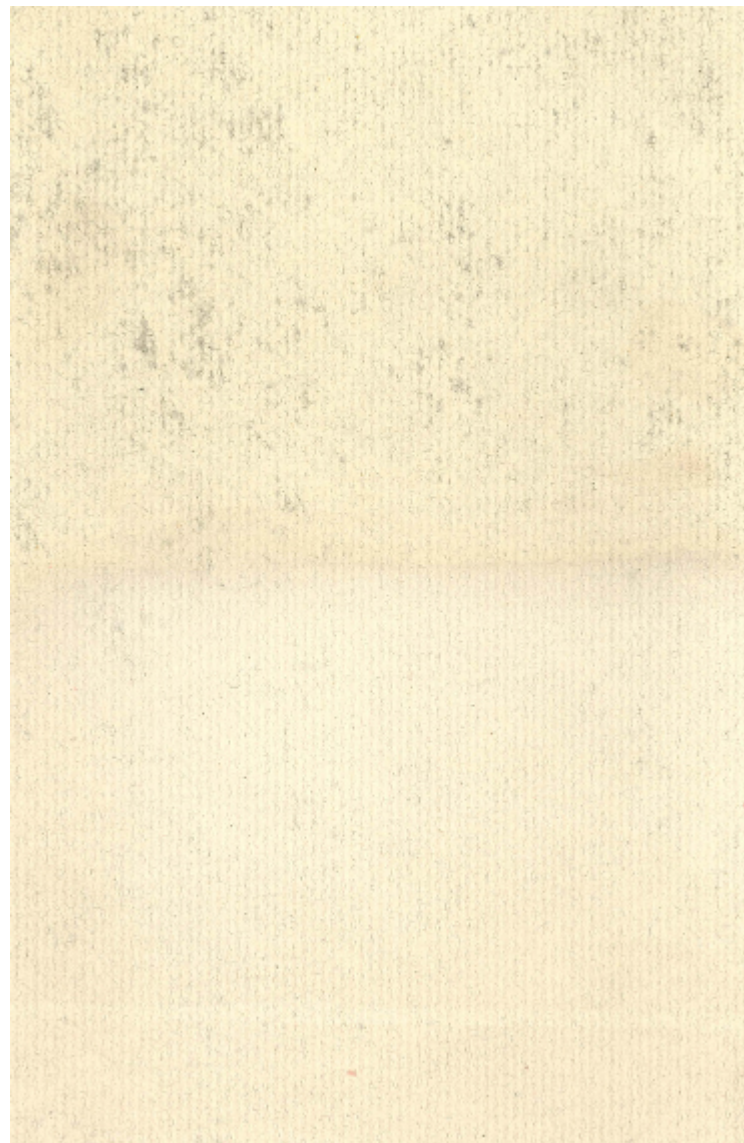
► Installed – 1984

	Unexposed	Exposed
Weight ASTM D751 oz/yd ²	31.3 oz	25.0 oz
Total Thickness	33.0 mil	27.0 mil
Thickness over Fiber (face)	10.1800 mil	5.9000 mil
Thickness over Fiber (back)	10.3800 mil	7.8400 mil
Strip Tensile ASTM D751 Procedure B lb _f /in	393 (warp) (fill not available)	315 (warp) 344 (fill)
Puncture ASTM D751 (Ball Tip) lb _f	575	560
Puncture ASTM D751 (Screwdriver) lb _f	77	77



ENVIRONMENT

Hot summer, UV exposure, sub-zero temperatures, snow and hail.



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WAYNE COUNTY FAIRGROUND GRANDSTAND ROOF

Wooster, Ohio

ORIGINAL 36MIL TO NEW 36MIL

► Installed – 1987

Weldability of “Aged” FiberTite Membrane

FiberTite Roofing Systems are proven to stand the test of time. In many cases, roofs that were installed 25, 30 or even 35 years ago are still in service today.

Although repairs are few, FiberTite tested the weldability of a new nominal 36 MIL membrane to another nominal 36 MIL membrane that had been in service for 29 years. Preparation of the aged membrane is key. The repair area must be properly cleaned prior to the welding process with a non-abrasive cleaner to remove excessive dirt and/or contamination. Acetone is then used to clean the lap area to prepare the surface in order to achieve a proper weld.

The successful weld will be water tight to achieve a reliable roof repair that will perform for the remaining years the roofing system is in service.

