

# SARASOTA AGRICULTURAL CENTER

Sarasota, Florida

ORIGINAL 36MIL

► Installed – 1983



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



**STILL IN SERVICE!**



## ENVIRONMENT

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

# PUNTA GORDA PUBLIC LIBRARY

Punta Gorda, Florida

ORIGINAL 36MIL

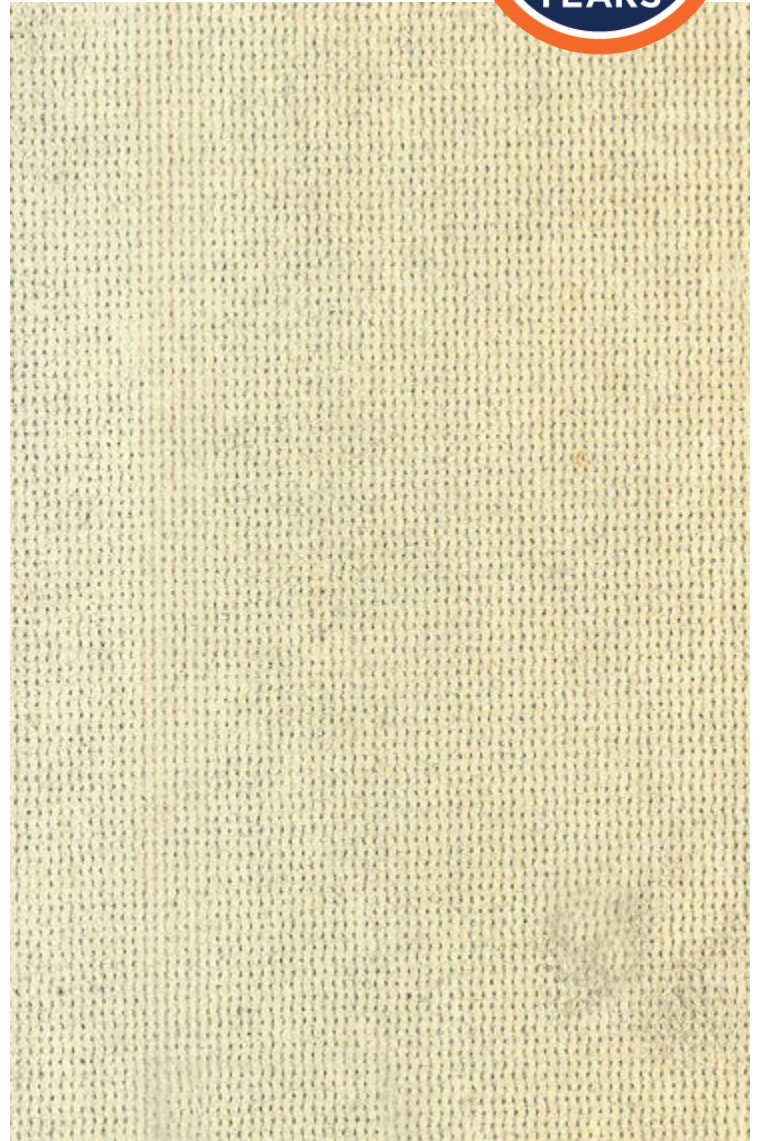
► Installed – 1985

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



## ENVIRONMENT

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



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# INDIAN RIVER SCHOOL, VERO BEACH ELEMENTARY

Vero Beach, Florida

ORIGINAL 36MIL

► Installed – 1986



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



## ENVIRONMENT

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



# BALDWIN WALLACE, LOU HIGGINS CENTER

Berea, Ohio

ORIGINAL 36MIL

► Installed – 1986



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



## ENVIRONMENT

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

# RUBBERMAID, INC.

Greenville, Texas

ORIGINAL 36MIL

► Installed – 1984

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



## ENVIRONMENT

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

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# INN MAID NOODLES

Millersburg, Ohio

ORIGINAL 36MIL

## ► Installed – 1981

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



## ENVIRONMENT

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

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# SAINT-GOBAIN GLASS

Goodyear, Arizona

ORIGINAL 36MIL

## ► Installed – 1988



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



## 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 36MIL

► Installed – 1984

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

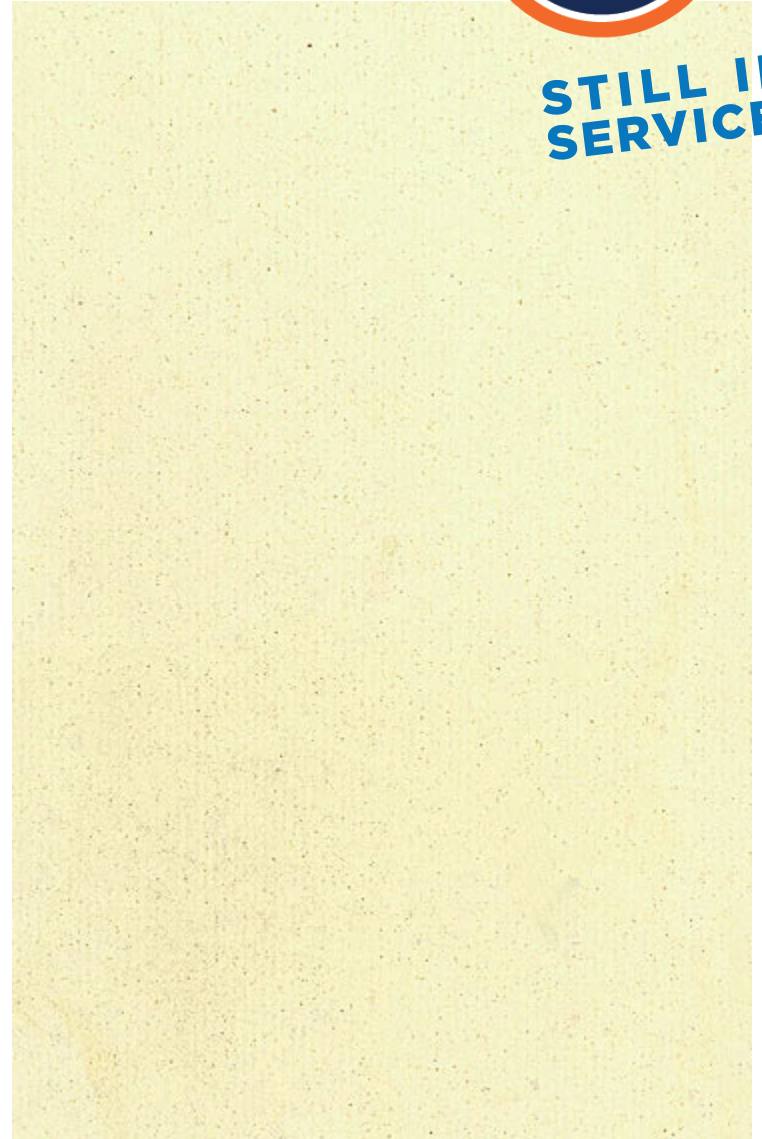


## ENVIRONMENT

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



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# INDIAN RIVER SCHOOLS, DODGERTOWN ELEMENTARY

Dodgertown, Florida

ORIGINAL 36MIL

► Installed – 1986



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



## ENVIRONMENT

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



# PALM BEACH COUNTY SCHOOL BOARD

West Palm Beach, Florida

ORIGINAL 36MIL

► **Installed – 1989**



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



## ENVIRONMENT

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

*\*Unexposed sample too small to test*



# SPANGLER CANDY

Bryan, Ohio

ORIGINAL 36MIL

## ► Installed – 1998

	Unexposed	Exposed
<b>Weight</b> ASTM D751 oz/yd <sup>2</sup>	31.5 oz	<b>27.8 oz</b>
<b>Total Thickness</b>	33.1 mil	<b>30.0 mil</b>
<b>Thickness over Fiber</b> (face)	9.8733 mil	<b>8.6520 mil</b>
<b>Thickness over Fiber</b> (back)	9.1608 mil	<b>9.7720 mil</b>
<b>Strip Tensile</b> ASTM D751 Procedure B lb <sub>f</sub> /in	326 (warp)	<b>346 (warp) 279 (fill)</b>
<b>Puncture</b> ASTM D751 (Ball Tip) lb <sub>f</sub>	651	<b>568</b>
<b>Puncture</b> ASTM D751 (Screwdriver) lb <sub>f</sub>	72	<b>73</b>



## ENVIRONMENT

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



# WOODLAND LAKES CONDOMINIUMS

West Palm Beach, Florida

ORIGINAL 36MIL

► **Installed – 1987**

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



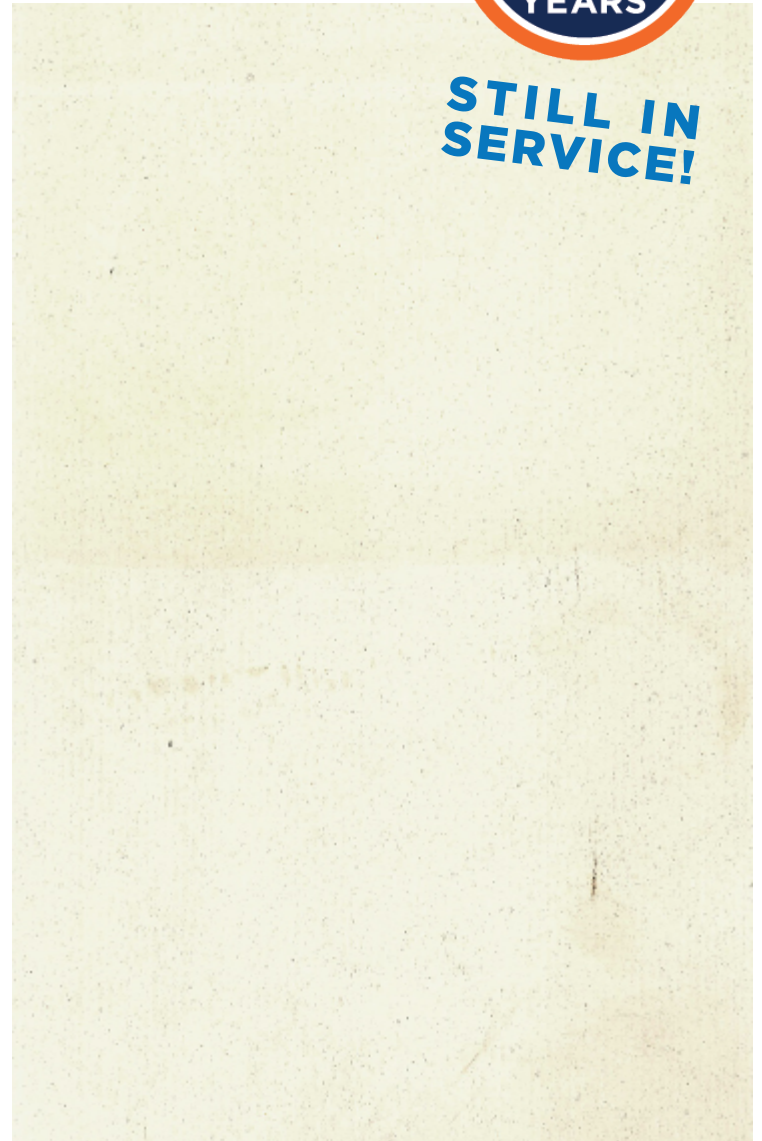
## ENVIRONMENT

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

*\*Unexposed sample too small to test*



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# WAYNE COUNTY FAIRGROUND GRANDSTAND ROOF

Wooster, Ohio

ORIGINAL 36MIL

► Installed – 1987



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



## ENVIRONMENT

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



# AIRSAN CORPORATION

Milwaukee, Wisconsin

ORIGINAL 36MIL

## ► Installed – 1984

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



## 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

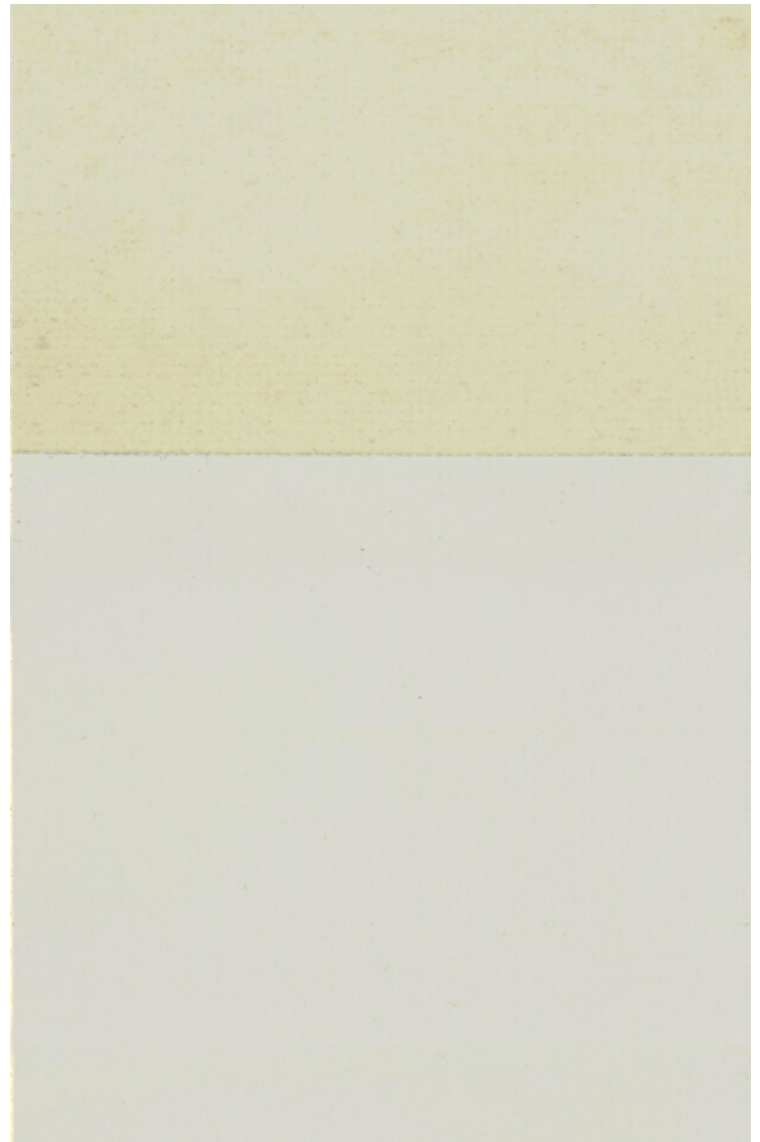
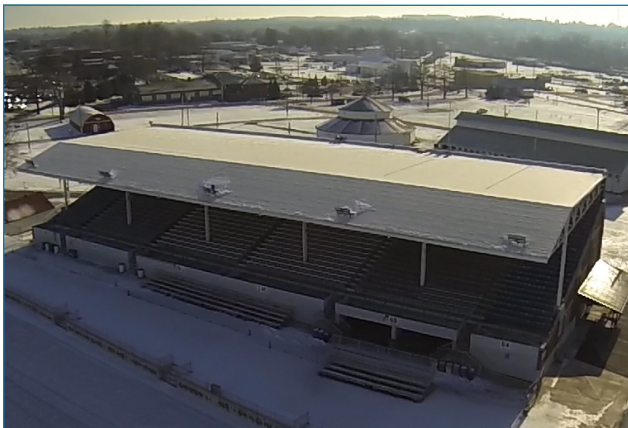
► **Installed – 1987**

## 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.



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