



Argosy International Inc.

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H Y D R O W R A P ^{T M}

FIBERGLASS TAPE IMPREGNATED WITH WATER-ACTIVATED RESIN

HYDROWRAP offers an economical, permanent, high strength and easy to use structural repair alternative to welding, sleeving and other traditional methods for any facility with fluid-bearing lines or vessels.

Used by...

- Refineries/Pipelines
- Foundries
- Cement Plants
- Chemical Plants
- Paper Manufacturers
- Port Facilities
- Utilities
- Water Treatment Plants
- Waste Recovery Industry
- Sewage Lines
- Manufacturers
- Electronics Industry
- Agricultural Industry
- Mining Industry
- Contractors
- HVAC
- Ships/Boats
- Pools/Spas
- Do-It-Yourself

For...

- Pipe Repair
- Pipe Reinforcement
- Sealing Joints
- Duct Sealing
- Abrasion Protection
- Corrosion Protection
- Structural Repair
- Dielectric Protection
- Electrical Insulation
- Underwater Repair

On...

- Ferrous & Non-Ferrous Metals
- PVC/Plastics
- Fiberglass
- Cement
- Rubber
- Wood
- And many more...



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HYDROWRAP™

DATA

TECHNICAL SPECIFICATIONS

FORM	IMPREGNATED FABRIC
COLOR	WHITE
APPLICATION METHOD	WATER-ACTIVATED WET LAYUP
NUMBER OF PILES REQUIRED	8 MINIMUM
THICKNESS	11 ± 2 MILS
RESIN CONTENT	30 ± 3%
WORKING TIME	60 MINUTES PRIOR TO DIRECT EXPOSURE TO WATER
CURE CYCLE 75°F (24°C)	30 MINUTES AFTER DIRECT EXPOSURE TO WATER
HARDNESS-CURED LAMINATE	85 ± 4 SHORE D
DIELECTRIC STRENGTH	NON-CONDUCTIVE WHEN CURED/16,000 VOLTS
HEAT RESISTANCE (24-HOUR CURE)	400°F MAX (204°C)
MAXIMUM INSTALLATION TEMPERATURE	2007 (93°C)
SIZES	WIDTHS: 2", 3", 4", 6", 10" LENGTH: 5 TO 150 LINEAL FEET
TOXICITY	CONTAINS NO HARMFUL SOLVENTS
DOT – NON-HAZARDOUS	WATER AND FOOD SERVICE LINES FREIGHT CLASS NO1 – ITEM 4620 SUB 5 CLASS 60
SHELF LIFE	2 YEARS

MECHANICAL PROPERTIES

Structure	Method	PSI/Temp
TENSILE STRENGTH 75°F (24°C)	ASTM D 3039	65,000
TENSILE MODULUS 75°F (24°C)	ASTM D 638	3 x 10 ⁶
FLEXURAL STRENGTH 75°F (24°C)	ASTM D 790	26,300
FLEXURAL MODULUS 75°F (24°C)	ASTM 13 790	1.65 x 10 ⁶
COMPRESSION STRENGTH	ASTM D 695	25,000
INTERLAMINAR SHEAR 0 75°F (24°C)	ASTM 0 2344	2900
Tg (GLASS TRANSITION TEMPERATURE)	ASTM E 831	252°F (122°C)
TEMPERATURE CYCLE TEST	16 LAYERS CYCLED FROM 75°F - 450°F (24°C - 232°C)	NO DELAMINATION

CHEMICAL IMMERSION TEST - ASTM 11 543

Chemical	Immersion Period	Result
ACETONE	30 DAYS	PASS
DIESEL FUEL	30 DAYS	PASS
ETHYL ALCOHOL	30 DAYS	PASS
GASOLINE	30 DAYS	PASS
30% HCL	30 DAYS	PASS SLIGHTLY SOFTENED
TOLUENE	30 DAYS	PASS
MEK	30 DAYS	PASS



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NOM. PIPE SIZE	1/2	3/4	1	1 1/2	2	3	4	6	8	10	12	14	16	18	20	22	24
PIPE OD INCHES	.84	1.05	1.32	1.9	2.38	3.5	4.5	6.63	8.63	10.75	12.75	14	16	18	20	22	24
CIRCUMFERENCE	2.64	3.3	4.13	6	7.5	11	14	20.8	28.5	35.5	42	46	55.3	62.2	69	72.6	83
TAPE SIZE	<i>NUMBER OF WRAPS TO PLY (ROUNDED TO THE NEAREST WHOLE PLY)</i>																
2 in. x 3'	14	11	9	65	3												
2 in. x 5'	23	18	15	10	8	5	4	3									
3 in. x 10'				20	16	10	8	6									
3 in. x 30'					48	30	24	18	13	10	9	8	7				
4 in. x 15'					24	15	12	9	7	5							
4 in. x 30'					48	30	24	18	13	10	9	8	7				
4 in. x 50'							40	30	21	17	14	13	11	10	9	8	7

Red italicized type indicates Manufacturer's recommended application. (Minimum 8 plys required)

NOTE: Areas not filled in can be calculated by dividing the tape LENGTH by the CIRCUMFERENCE of the appropriate diameter

HYDROWRAP™

HW-0205	2 inches x 5 feet	5.1 cm x 1.5 mtrs	1" Nominal 2.54 cm
HW-0212	2 inches x 12 feet	5.1 cm x 3.65 mtrs	2" Nominal 5.08 cm
HW-0310	3 inches x 10 feet	7.6 cm x 3.04 mtrs	3.5" Nominal 8.89 cm
NW-0330	3 inches x 30 feet	7.6 cm x 9.14 mtrs	12' Nominal 30.48 cm
HW-0415	4 inches x 15 feet	10.2 cm x 4.57 mtrs	6" Nominal 15.24 cm
HW-0430	4 inches x 30 feet	10.2 cm x 9.14 mtrs	12" Nominal 30.48 cm
HW-0450	4 inches x 50 feet	10.2 cm x 15.24 mtrs	20" Nominal 50.8 cm
HW-0615	6 inches x 15 feet	15.2 cm x 4.57 mtrs	9" Nominal 22.86 cm
HW-0630	6 inches x 30 feet	15.2 cm x 9.14 mtrs	18" Nominal 45.72 cm
HW-0660	6 inches x 60 feet	15.2 cm x 18.29 mtrs	36" Nominal 91.44 cm
HW-0690	6 inches x 90 feet	15.2 cm x 27.43 mtrs	45" Nominal 114.3 cm
HW-1030	10 inches x 30 feet	24.4 cm x 9.14 mtrs	30" Nominal 76.2 cm
HW-1060	10 inches x 60 feet	24.4 cm x 18.29 mtrs	60" Nominal 152.4 cm
HW-1090	10 inches x 90 feet	24.4 cm x 27.43 mtrs	90" Nominal 228.6 cm
HW-10120	10 inches x 120 feet	24.4 cm x 36.58 mtrs	120" Nominal 304.8 cm
HW-10150	10 inches x 150 feet	24.4 cm x 45.72 mtrs	150" Nominal 381.0 cm

Additional sizes available by special order. Please contact your distributor or Argosy for special applications.

IMPORTANT NOTICE: Argosy makes no warranties, expressed or implied. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of application. Liability for any incidental or consequential damage or loss is specifically excluded at all times.