

## ADFORS

A company with world-class capabilities and worldwide reach

ADFORS is an industry leader in the manufacture and distribution of a wide range of reinforcement fabrics. We offer a diverse selection of products, including some of the world's best-known reinforcement brand names.

With manufacturing plants located around the world, ADFORS is your reliable source for cost-effective materials. Our global network of research facilities connects with strategically located sales offices to give you comprehensive service. As the world's leading manufacturer of reinforced fabrics, we take pride in providing creative solutions that help our customers meet unique challenges.

### State-of-the-art manufacturing

- Facilities located throughout North America, Europe and Asia

### Dedicated R&D

- Pioneering new fabrics and custom products
- Providing innovative solutions

### Responsive technical support

- Focused on customer needs

Call 1-888-549-7444 or visit [www.adfors.com](http://www.adfors.com) to learn more.

[www.adfors.com](http://www.adfors.com)

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## Modified Bitumen Roofing Reinforcements

Stronger ideas for a sustainable world.



# ADFORS: Your partner for Modified Bitumen Roofing Reinforcement Solutions

ADFORS offers reinforcements that provide tear strength, puncture resistance, tensile strength and dimensional stability for modified bitumen roofing applications, helping to improve end product performance. Designed to meet ASTM industry standards, our roofing products include fiberglass and polyester scrims, fiberglass knits and laminates. Our breadth of products, technologies and capabilities offer the perfect solution for your reinforcing requirements.

ADFORS can fulfill tensile strength requirements that range from 90# up to 1,000#. With the most complete line of products in the industry, ADFORS provides the solutions to meet your needs.



## ADFORS Modified Bitumen Roofing Reinforcement Capabilities

ADFORS has the capability to combine fabrics, chemistries, and nonwovens to meet your unique needs. We build something new every day.

### Laid Scrim Fabrics

ADFORS specializes in using fiberglass yarns, polyester yarns or a combination thereof to meet modified bitumen needs and specific ASTM standards. Tensile strengths range from 90# up to 400#.

Benefits of laid scrim fabrics include:

- Choice of yarn type and pick count allows engineered tensile strength and elongation
- Specialty yarns can be engineered into stronger, more flexible laid scrim products to help make products more lightweight and pliable. These include: carbon, Twaron®, Kevlar®, and others

### Knit Fiberglass Fabrics

ADFORS technologies combine fiberglass roving and nonwovens to meet high tensile strength requirements in the roofing markets. Tensile strengths range from 500# up to 1000#.

Benefits of knit fabrics include:

- Robust, mechanically fixed fabrics offering exceptional ruggedness through processing and in use.

### Laminating Capabilities – Wet lamination

ADFORS can laminate glass and/or polyester scrims to your choice of nonwoven (glass mat or various weight polyesters).

We can use any combinations of yarns and nonwovens to meet your processing and performance requirements as well as ASTM standards.

### Binder Capabilities

ADFORS specializes in the formulation and development of our own in-house binders. Our chemistries allow us to offer a wide range of binder characteristics including high temperature tolerance, heat sealability and cross linking.

## Product Cross Reference for ASTM Standards

ASTM Standard	Reinforcement		Machine Direction and Cross Direction Requirements		Covered Applications	ADFORS Product	Construction	Tensile MD/CD, peak load (lbs/in)	Weight (oz/yd <sup>2</sup> )			
			Tensile, peak load									
			@ -18°C (lbs/in)	@ 23°C (lbs/in)								
D6162-00a	polyester fabric & glass fiber	Type I	75	75	SBS Mod Bit sheets	W4501	glass scrim + poly CW	165/165	3.6			
						W4503	glass scrim + poly CW	280/280	5.7			
						W4520	glass scrim + poly CW	345/345	6.8			
		Type II	125	80		W4603	glass scrim + poly CW + GM	140/140	4.7			
						W4501	glass scrim + poly CW	165/165	3.6			
						W4503	glass scrim + poly CW	280/280	5.7			
						W4520	glass scrim + poly CW	345/345	6.8			
						W4603	glass scrim + poly CW + GM	140/140	4.7			
						W4503	glass scrim + poly CW	280/280	5.7			
Type III	250	250	W4520	glass scrim + poly CW	345/345	6.8						
			D6163-00	glass fiber	Type I	70	30	SBS Mod Bit sheets	W3560	glass scrim + GM	155/185	4.2
									W3641	glass scrim + GM	150/138	4.7
W3645	glass scrim + GM	185/185							5.3			
Type II	150	80			W3560	glass scrim + GM	155/185		4.2			
					W3641	glass scrim + GM	150/138		4.7			
					W3645	glass scrim + GM	185/185		5.3			
Type III	180	150			W3560	glass scrim + GM	155/185		4.2			
					W3645	glass scrim + GM	185/185		5.3			
					D6164-11	polyester fabric*	Type I		70	50	SBS Mod Bit sheets	XP477
Type II	100	70										
					High-Tensile Knits for Specialty Applications	W4667	knit glass + PCW	480/500	13.24			
						W4665	knit glass + PCW	870/720	20.6			

\*may contain small percentage of glass yarns that do not contribute to the physical properties of the finished products so much as to make these products be classified by D6162\*.