Laid Scrim
High performance reinforcing fabric
ADFORS has been developing laid scrim for more than 30 years. Our strength is utilizing high-tenacity yarns to create innovative, cost-effective materials that offer superior structural reinforcement with less bulk and weight. Laid scrim is commonly used to increase tear strength, dimensional stability, facilitate handling, or act as a carrier of adhesive to be used in secondary bonding. Laid scrim is an economical alternative to woven or knitted reinforcements and is well suited for use in end-product manufacturing processes.

**LAID SCRIM PROCESS**

Scrim is a reinforcing fabric made from continuous filament yarns. The laid scrim manufacturing process chemically bonds the warp yarns (machine direction) and the weft yarns (cross direction) together in an open mesh structure. The construction of the laid scrim can vary between: “side by side” warp yarn, “over/under” warp yarns or tri-directional construction with two axes of weft yarns.

ADFORS can create infinite combinations of traditional high-quality square scrim, as well as our unique off-angle scrim, from a wide variety of fibers set at various angles to achieve the flexibility, durability and appearance required. The resulting products help make your engineered solutions stronger and lighter, enabling your design team to reach new product development frontiers.

**FEATURES AND BENEFITS**

- Dimensional stability
- Tensile strength
- Alkali resistance
- Tear resistance
- Fire resistance
- Anti-microbial properties
- Water resistance
- Specialty coatings
- Wide variety of design options

**FIBERS**

- Fiberglass
- Polyester
- Aramid
- Dyneema®
- Carbon
- Natural fibers
- PVA
- **BINDERS**
  - Polyvinyl alcohol
  - Polyvinyl chloride
  - Acrylic
  - Thermoplastic
  - Styrene butadiene rubber
  - Plastisol

**CUSTOM SCRIMS AS UNIQUE AS YOUR IDEAS**

ADFORS has a long history of partnering with top companies, offering a range of custom solutions from medical to sailcloth, disposables to cleaning supplies, and roofing to flooring. Every one of our scrims is made to order, as each customer’s need varies based on yarn type, count, binder, width, roll length, and other factors.

You can depend on us to work diligently and efficiently, as we understand the pressures of delivery most industries demand. Aside from reacting quickly to your current needs, we are also progressive and work proactively to determine future requirements of multiple industries and devise solutions that help our clients develop the next state-of-the-industry products.
Reinforcement Technology

SIDE BY SIDE
The simplest laid scrim pattern, the yarns from the top and bottom warp (machine direction) yarns alternate, with the fill (cross machine) yarns in between set at a 90° angle.

OVER/UNDER
Yarns from the two warp sheets lie directly on top of each other. The fill yarns are also set at a 90° angle. This construction offers increased dimensional stability.

TRI-DIRECTIONAL
Angled fill yarns are added to provide better aesthetics and redistributed strength.

QUAD-DIRECTIONAL
Square and tri-directional yarns are bonded together chemically or thermally for increased strength and dimensional stability.

COMPLEXES
Scrim can be bonded to other substrates such as glass mat, synthetics, film and more. Scrim can be bonded on one or both sides to nonwoven glassmat, polyester mat, or to other substrates such as tissue, film, and more.

SPECIALTY
For more than 20 years, ADFORS has been the world-exclusive provider of off-angle specialty scrims. Through a proprietary process, we create scrims that reinforce load requirements off the 0–90 degree axis. We can create infinite combinations from a variety of high tensile strength fibers set at various angles to achieve the flexibility, durability and appearance you require.
ADFORS is an industry leader in the manufacture and distribution of a wide range of reinforcement fabrics. As a subsidiary of Saint-Gobain, ADFORS has access to manufacturing plants located around the world. 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.

SAINT-GOBAIN
Working with leading companies in several business sectors, Saint-Gobain has emerged as the world’s largest building materials firm.

- Founded in 1665
- Expanded its expertise to more than 67 countries
- Has 8 dedicated Research Centers throughout the world
- More than 23% of our sales are generated through products which were developed less than five years ago

STATE-OF-THE-ART MANUFACTURING
- Key facilities in Albion, NY, USA and Miranda, Spain, and Neustadt, Germany
- Employs best lean techniques through World Class Manufacturing (WCM) to continually improve quality and customer satisfaction, while reducing production waste.

DEDICATED R&D
- Custom engineered fabrics
- Innovative solutions
- Extensive testing
- Multidisciplinary engineering support

RESPONSIVE TECHNICAL SUPPORT
- Focused on customer needs
- Experienced sales and technical staff

ENVIRONMENTAL POLICY
ADFORS is engaged in a comprehensive World Class Manufacturing approach to not only improving our product quality and customer satisfaction, but also protecting the environment, improving hygiene and safety, and reducing the environmental impact of our products and factories. For this purpose, ADFORS is ISO 9001 and ISO 14001 certified for all of our industrial sites.

THE ADFORS CULTURE
- Customer Centricity
- A continuous improvement in terms of quality, safety, the environment, energy saving and the sustainable development of our products
- Compliance with strict environmental standards and legislation, sometimes even beyond the requirements of applicable laws

ADFORS is always available to perform a dedicated study to identify a particular scrim solution to meet your needs.

Visit www.adfors.com to learn more.

ADFORS designs and produces innovative textile solutions for reinforcement in the construction & industrial markets. With an experience over 50 years, ADFORS benefits from a strong expertise in glass fiber technology through its VETROTEX® business, an extended knowledge in weaving & coating and a wide offering of fabrics.

Dyneema is a registered trademark of Royal DSM.