

# Rubber & Polyurethane screening from Unified®

## Rubber can outlast wire by a factor of 10-1. Polyurethane can last 15 times the life of wire cloth.

Rubber screen panels provide excellent resistance to impact and abrasion in scalping applications and coarse dry screening. Rubber screen panels generally cost less than polyurethane. You get low maintenance and high cost efficiency in applications that may be too severe for conventional wire cloth.

### Rubber Screens and Accessories

Steel-backed rubber screens are ideally suited for scalping applications.

Rubber reinforced with nylon/polyester fabric is suited for low impact/high wear applications.

Rubber molded on a steel frame or reinforced with galvanized aircraft cable is excellent for medium impact/high wear applications.

### Features:

- 30 to 70 durometer wear resistant rubber
- Bolt down, hooked or snap-in styles
- Available with or without skid bars
- Special hole patterns available

### Benefits:

- Extended wear life in dry applications
- High impact resistance
- Low maintenance
- Toughness — rubber will absorb and bounce back from high impacts that would break AR plate or comparable materials
- Durability — rubber screens in impact and wear applications can outlast wire screens by a factor of 10-1
- Use to protect chutes, hoppers and other high wear areas
- Effective at feed end/high impact areas
- Flexibility — rubber's natural elasticity will substantially reduce material build-up and blinding



*Rubber and Wire Cloth Screen Deck with Rubber Tension Rails*

- Unified also offers a proprietary graphite compound to virtually eliminate wet, sticky build-up
- Easy installation and replacement
- Use in feeder bins, canoe liners, feed/discharge lip liners
- Reduces or eliminates downtime

### **Polyurethane Screens and Accessories**

Unified offers many polyurethane screen media options, including FLOWMAX modular systems – removable or permanent – and full tension mat screens. Unified also offers many polyurethane accessories, including screen rails, classifier shoes, spray-bar deflectors, pipe seals, pipe patches, crown bar covers, J-bolt protectors, liners, belt scrapers and other products. Polyurethane can be used to protect chutes, hoppers and other high wear areas

FLOWMAX polyurethane products offer a universal patented fastening method that provides substantial locking area. No pins, plugs or other loose parts are required.



*Polyurethane Trommel Screens*

#### **Features:**

- 70- 90 durometer
- Removable or permanent systems
- Tapered apertures
- Large percentage of open area
- Removable modular systems

#### **Benefits:**

- Extended wear life in wet applications
- Durability — polyurethane screens in impact and wear applications can outlast wire screens by a factor of 15 -1
- Reduced plugging and binding – polyurethane has exceptional resilience and tapered apertures that help to eliminate plugging and blinding in difficult situations
- Greater production – with a larger percentage of open area, FLOWMAX systems outperform the production of other polyurethane systems from 5% to 15%
- Easy to modify – removable, tensionable screens are available without converting to a permanent deck
- Flexibility — polyurethane will substantially reduce material build-up and blinding
- Comparable Cost – polyurethane screening surfaces can last an average of 15 times the life of wire cloth

## **FLOWMAX Screen Designs**

### **Modular Removable System**

- FLOWMAX modular tension frames combine the convenience of an easy change-out with the benefits of a modular system. Replace a module in seconds or the entire system in minutes. No commitment to screen deck modifications
- A FLOWMAX change-out to wire is just another screen change. No hassle with special parts or tools

### **Permanent Flat Decks**

- Greater production
- Flat screening means higher screening efficiency
- Very low maintenance requirements

### **Tension Mats**

- Molded tapered openings
- Require no screen deck modifications and are as easy to install as wire cloth
- Each mat is manufactured to your specific deck requirements



*Flowmax is an extremely adaptable system offering tension mats, modular – removable and permanent systems*

**For more information, visit [unifiedscreening.com](http://unifiedscreening.com), e-mail: [sales@unifiedscreening.com](mailto:sales@unifiedscreening.com) or call 866-968-3697**

 **Unified® Screening & Crushing**