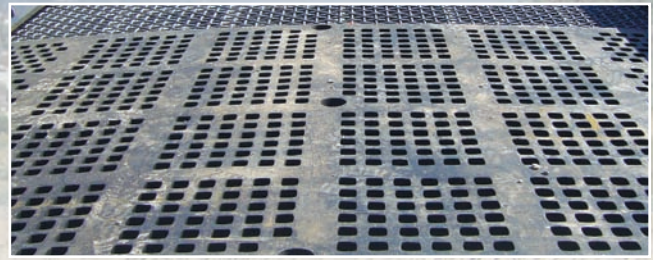
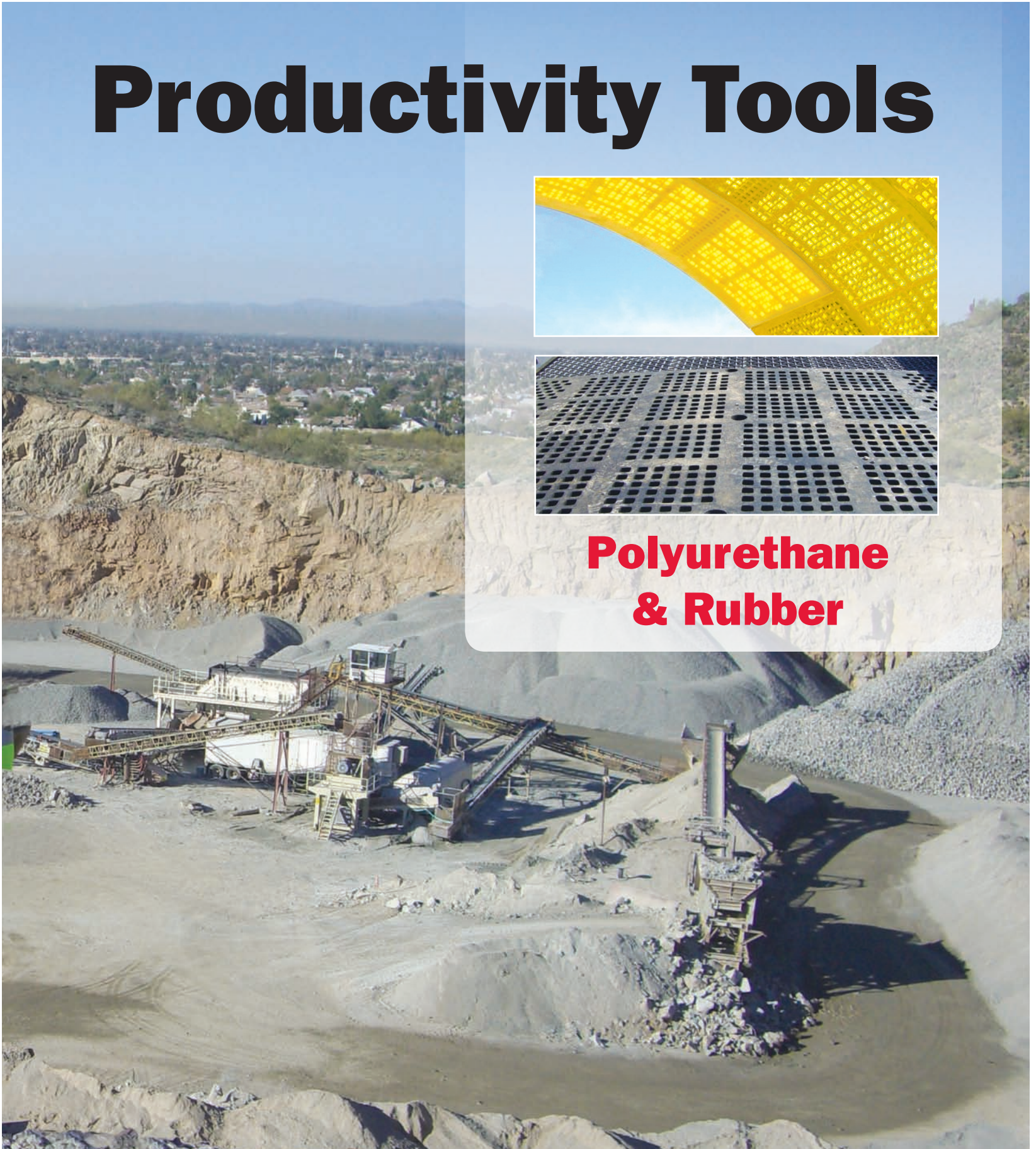


Productivity Tools



**Polyurethane
& Rubber**



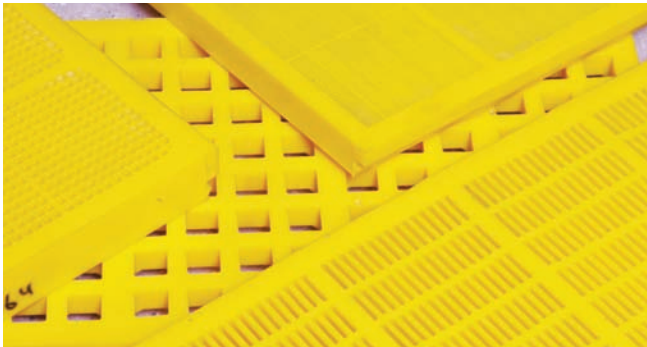
FLOWMAX Modular Screening Systems

US Patent 5,248,043 - 5,346,053

Unified's proprietary FLOWMAX polyurethane is an extremely adaptable system. This system can be a permanent flat deck or modular (removable) solution using modular tension mats. The universal, patented fastening method provides substantial locking area.

Benefits of FLOWMAX Polyurethane

- Longer life — can last 15 times the life of wire cloth and more — greater cost savings
- Reduced plugging and blinding; better production performance
- Variety of materials available; ethers, esters at 60A - 90A durometer
- Easy installation
- Flexible installation options



FLOWMAX offers many advantages over other Synthetic Systems

FLOWMAX offers many advantages over other Synthetic Systems

FLOWMAX is an extremely adaptable system offering either a modular tension mat or a permanent flat deck solution.

FLOWMAX is the Modular Solution

FLOWMAX modules allow replacement of worn areas without replacing the entire screen. Modules are available in 12" x 24" or 12" x 12" panels, giving you the best use of available area plus optimum efficiency in replacement and maintenance.



Polyurethane screening surfaces can last more than 15 times the life of wire cloth. Unified makes a wide variety of polyurethane screens, including our FLOWMAX screens that reduce plugging and blinding. FLOWMAX screens have up to 25% more open area compared to competitive screens.

No matter which installation option you choose, FLOWMAX offers a universal, patented fastening method, providing substantial locking area. There are no pins, plugs or other loose parts required.

Modules are interchangeable between a permanent and removable frame system.

Comparable Cost

Synthetic screening surfaces can last about 15 times the life of wire cloth screens.

Reduced Plugging and Blinding

FLOWMAX has exceptional resilience which helps eliminate plugging and blinding in most cases.

Tapered apertures allow a clean break away of material after passing through the opening.

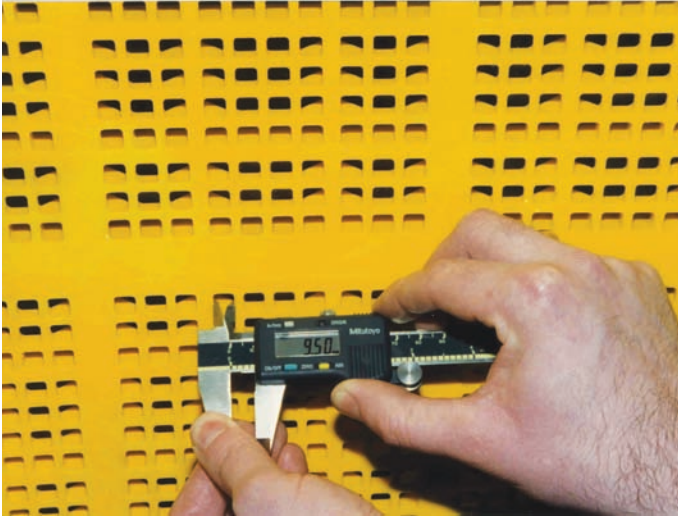
Greater Production

FLOWMAX systems outperform other synthetic systems due to an increase in the percentage of open area.

We offer a Variety of Material Compounds

FLOWMAX modules are available in polyester, polyether, rubber and specialized compounds ensuring the correct surface for your demanding application.

Polyurethane



FLOWMAX Designed for Your Demanding Application

Choose the screen design best for you.

Tension Mats

Polyurethane or Rubber

- Tension mats are available in either polyurethane or rubber with molded or punched tapered openings. No deck modifications
- Tension mats require no screen deck modifications and are as easy to install as wire cloth. Custom fit
- Each tension mat is manufactured to match your specific screen deck requirements

Modular Tension Mats

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

Permanent Flat Decks

- Greater production
- Flat screening surface means better material distribution and higher screening efficiency
- Permanent installations have very low maintenance requirements
- Openings to 2.50"

FLOWMAX Modular Polyurethane Systems

Polyurethane or Rubber

Modules manufactured with compounds suited for any application to meet your screening requirements

- Permanent Decks
- Removable Decks
- Openings from 1/64" to 3-1/2"
- Thickness from 30mm to 70mm

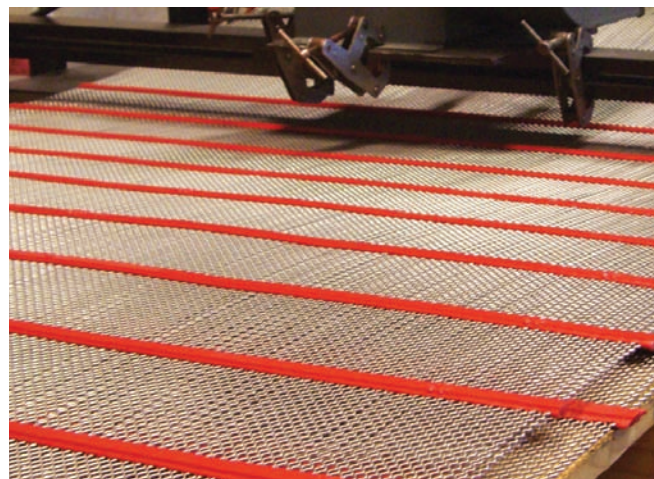
TwinThane Polyurethane Tension Mats

Polyurethane tension mats are available in either polyester or polyether, and are suited for wet and washing applications.

- Cable or steel tube reinforced
- Openings to 2.50"

SuperFlow

Hybrid - Wire/Polyurethane



SuperFlow Screens – An advanced combination of wire and urethane

Why Use Rubber?

Offers excellent resistance to impact and abrasion. Ideally suited for scalping applications or on the feed panel of any top deck. Will outlast conventional wire cloth or steel plate. Available in full panels, hooked or bolt-on, and in any modular system.

- Dry/High-Impact materials
- Rubber Modular Systems
- Costs less than polyurethane and generally lasts longer than wire cloth

Durability

Rubber Canoe Liners

Manufactured with an all steel backing plate. Used under crusher or hoppers at the feed end of the conveyor. Protects steel surfaces with rubber.



Flexibility

Rubber Graphite Liners

- Prevents sticky buildup
- Easy replacement and installation
- Increased wear life
- Used in feeder bins, chutes, feed and discharge lip liners
- Eliminates clean-out downtime



Discharge end of belts showing end of Rubber Canoe Liners

Rubber TwinFlex Standard

- Fabric backed
- Punched openings from 1/4" to 3"
- Thickness from 1/4" to 2"

Rubber Chute Liners

- Modular system 12" x 12" to 24" x 24" or tailor made to any chute, bin and hopper
- Very cost effective in high impact / abrasion applications
- Significantly outlasts mild steel and AR Plate
- Available with graphite mix to eliminate materials build-up



Belt Feeder with Canoe Liners on either side shown after 6 months of wear

Floating Feed Cone Liners & Hoppers

- Main Frame Liners
- Feed Plates

Benefits

- Protects OEM product
- Lowers noise
- Easy replacement

Cost Efficiency

Rubber Vibratory Floor Liner with Rubber Grizzly (bottom view). The wear life is 3-4 times more than AR Plate or 10-15 times more than wire cloth.



Rubber and wire cloth screen deck with rubber side tension rails

FLOWMAX rubber modular system: for high impact screening applications, processing dry material, scalping applications, when there is a high percentage of crushed material. Rubber costs less than polyurethane and generally lasts longer than wire cloth.



Rubber – Unified supplies a wide variety of rubber screens and modules with compounds suited for any application to meet any screening requirement, including the FLOWMAX rubber modular deck

Key Benefit by Product

Toughness: TwinFlex Standard & TwinFlex Heavy

Durability: TwinScalp Screens

Flexibility: Rubber Graphite Liners and Tension Mats are used for specific wet areas

Toughness

TwinFlex Heavy

- Cable or steel frame reinforced
- Openings from 1" to 3"
- Thickness from 1" and up
- Molded openings

Rubber Scalping Screens Designed for High Impact Materials

- 60 durometer wear resistance rubber
- With or without skid bars
- Full range of openings: square, rectangular or round holes
- Bolt down or hooked
- Full steel back 1/4", 3/8" or 1/2"
- Special hole patterns available



For more information click here

866-968-3697
www.unifiedscreening.com