

# 5,000+ Applications Proves FLEX-MAT®'s Revolutionary Success

## Amazing Payback Drives More Applications Within Same Plant

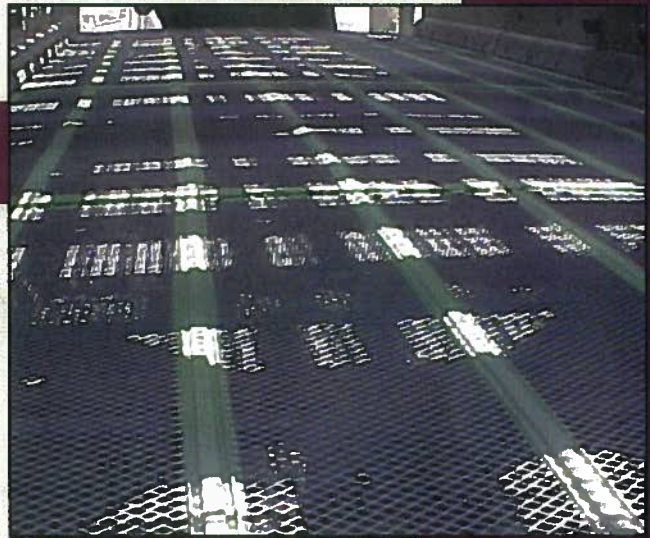
- Documented Production Increases Up To 40%
- Improves Efficiency of Entire Circuit
- Greatly Reduces Or Eliminates Screen Cleaning Shutdowns
- Lowers Cost Per Ton By Increasing Uptime & Passing More Spec Product
- Extends Production Days In Wet Weather & Winter Conditions
- Works Extremely Well With Wet Or Sticky Material
- Continues To Produce Spec Product Throughout Screen Cloth's Life
- Lasts Up To 3 To 4 Times Longer
- Reduces Maintenance On Crushers  
By Removing Fines

### Major Wire Continues To Pioneer FLEX-MAT's Capabilities & Applications

Flex-Mat® High-Performance, Self-Cleaning Screen Cloth was introduced to aggregate producers for the first time in 1996. It quickly became a very cost-effective solution to many screening problems, including blinding, pegging or clogging. Producers have gone from shutting down to clean their screens every couple of hours to occasionally or never cleaning their screens.

As an example, one U.S. producer now produces 16,000 more tons of spec product each month. At \$13 per ton, he generates more than \$208,000 of additional revenue each month or \$2.3 million more product in 11 months of annual operation. The only change he made to his operation was switching to Flex-Mat "D" on his triple-deck screens.

A special formulation of polyurethane strips bonded with individual wires eliminates the need for traditional woven wires. With no cross wires, Flex-Mat lasts up to 3 to 4 times longer. The polyurethane strips, centered on each screen deck crown bar for support, allow the individual wires to vibrate independently and at different frequencies to prevent material from accumulating between the wires as it does with woven wire. By running cleaner and more efficiently, Flex-Mat produces far more product. Vibration of wires on upper decks will increase volume of passing products.



# FLEX-MAT®

## HIGH-PERFORMANCE, SELF-CLEANING SCREEN CLOTH

THE REVOLUTION  
CONTINUES

**FLEX-MAT®**  
Screen Cloth

### FLEX-MAT Applications

- Limestone
- Granite
- Basalt
- Gravel
- Salt
- Volcanic Rock
- Talc
- Asphalt
- Ag-Lime
- Slag
- Sand
- Coal

And More...

# IT TAKES EXPERIENCE TO PROPERLY SIZE SELF-CLEANING SCREEN CLOTH

## For Consistent Spec Production & Maximum Output

Unlike common woven wire, self-cleaning screen cloth requires a custom fit for each application and screen deck to achieve the results for which Flex-Mat has become famous. Several factors must be considered to arrive at the right configuration, wire diameter size, type of wire and opening size. Major Wire personnel and their Flex-Mat dealers are highly trained to greatly reduce the amount of experimentation needed to select the right Flex-Mat for each application and desired production goals.

**MAJOR WIRE OFFERS THE GREATEST RANGE OF SELF-CLEANING  
OPENING SIZES FROM 40 MESH TO 2"**

### 3 PROVEN CONFIGURATIONS TO MEET EVERY NEED

Works on side & end tension screens up to 175° F (80° C) temperature

#### → **FLEX-MAT® Series D (Diamond Pattern)**

*For precise sizing of passing material and most standard applications*

Increases screening efficiency

Produces a higher-quality, more consistent product

Crimped individual wires form diamond-shaped openings

Available in OptimumWire® and stainless steel from .080" and larger

Stainless steel only in .072" and smaller

**Size Openings: .079" to 2" (2 mm to 50.8 mm) openings**

#### → **FLEX-MAT® Series S (Wave Pattern)**

*For removal of fines to produce a cleaner retained product*

*To produce a high-volume dry spec product in specific applications*

Reduces blinding with wet and sticky materials

Delivers maximum throughput

*Not for use where retention of chips or slivers is critical*

Crimped wires form waved openings

Available in OptimumWire® and stainless steel from .080" and larger

Stainless steel only in .072" and smaller

**Size Openings: .079" to 2" (2 mm to 50.8 mm) openings**

#### → **FLEX-MAT® Series T (Triangular Pattern)**

*Larger sizes reinforced for heavy loads or high-impact materials*

Used when 25% of material is 4 or more times larger than screen cloth openings

Heavy-duty construction provides long wear life

Alternating straight and crimped wires form triangular openings

Available in OptimumWire® and stainless steel from .080" and larger

Stainless steel only in .072" and smaller

**Size Openings: .079" to 2" (2 mm to 50.8 mm) openings**

#### → **FLEX-MAT® Series T (Triangular Pattern)**

*For fine screening from 40 to 8 mesh*

Reduces blinding of very fine material

Increases screening efficiency and throughput

Available in stainless steel wire only

**Size openings: .0145" to .079" (.36 mm to 2 mm) openings**



#### SPECIMEN

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