

FLEX-MAT®

HIGH VIBRATION WIRE SCREEN

APPLICATION CASE

GRANITE AGGREGATES > Virginia, USA

SITUATION:

Quarrying operations running a combination of static and rigid screening media; polyurethane panels on the top deck and woven screens on the bottom ones.

PROBLEM:

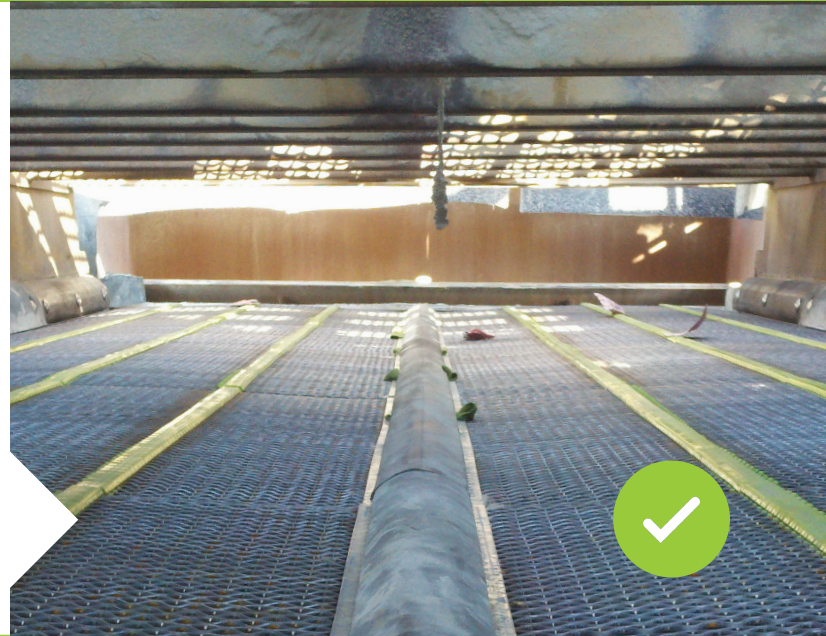
Lacked capacity and throughput due to low open area, poor material stratification as well as severe blinding & pegging issues on the middle deck.

- **SETUP:** 1" woven over ½" woven over a 4mm polyurethane panel.

The bottom deck would blind over, carrying fines forward into the plant and adversely affecting the quality of the finer products in both cleanliness, and flats & elongated.

SOLUTION:

Installed Major's **Flex-Mat Type D**, eliminating pegging and blinding of the middle deck.



BENEFITS:

- > **Flex-Mat helped the quarry achieve approximately 450 TPH** of base production *versus* an initial base production rate of 150 TPH.
- > **No quality issues** on cleanliness for flats & elongated. The operation ran base products with SMA products (extreme flats & elongated sensitive).
- > **The operation plant was set up to run stone matrix asphalt (SMA)** products which are extremely sensitive to flats & elongated particles.

- > **Flex-Mat tripled** the productive operational life of the middle deck media *versus* woven.

A 200% INCREASE IN VOLUME REPRESENTS AN ANNUAL ADDITIONAL TONNAGE OF 720,000 TPY BASED ON A 2,400 HOURS OPERATION