

POLYWEB<sup>®</sup>  
URETHANE SCREENS

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## URETHANE SCREENS



### The highest open area urethane screen available – from 0.25 inch (6.2 mm) to 325 mesh (45 µm).

The development of fine mesh, high open area, urethane screen surfaces is perhaps one of Derrick's most notable contributions to the science of fine particle separations for both wet and dry applications. While all urethane screen panels are well known for their abrasion resistance, only Derrick® Polyweb® screens combine long life with high open area, capacity, and performance rivaling that of conventional woven wire screens. Moreover, its anti-blinding properties now make it feasible to screen materials previously considered difficult or even impossible to screen.

Processing plants throughout the world have demonstrated significant cost savings through the use of Polyweb screens. It's not uncommon for Derrick urethane screens to last 6 to 12 months - 10 to 15 times longer than conventional woven wire panels. They are also lightweight and easy to install.

With openings as fine as 325 mesh (45 µm) and open areas ranging from 35 to 45 percent, Polyweb screen surfaces are suited to a wide variety of wet and dry applications.

Derrick has developed this Polyweb screen technology totally in-house. From the design and development of intricate molds, to the unique production equipment needed to manufacture panels on an economic scale, Derrick has again proven itself as the world's leader in fine screening technology.

A broad range of panel openings are currently available to fit screening machines manufactured by Derrick. Yet, the design and manufacture of custom molds, and even urethane formulations, is an ongoing process. Where a specific opening or preferred panel design is not available, one can be developed. In all cases, a Derrick engineer will work closely with each application to determine the appropriate panel and to address issues such as chemical compatibility or temperature.



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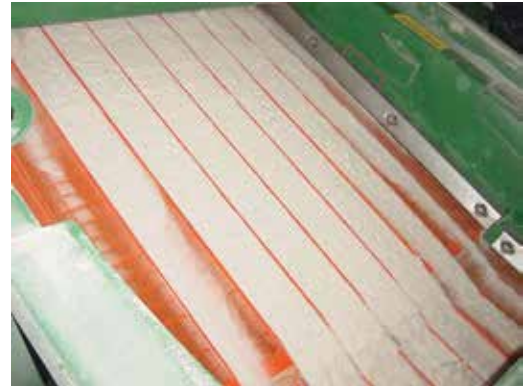
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### Advantages:

- Superior capacity and performance with high open area of 35 to 45 percent
- Reduced operating and maintenance costs from long life and ease of installation
- Available with openings as fine as 325 mesh (45 µm)
- Practically non-blinding
- Can be repaired or patched in place
- Custom mold designs

\* Wet panels as fine as 325 mesh (45 µm)  
Dry panels as fine as 140 mesh (104 µm)

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