The ACT Group
Environmental Services Division

# URETHANE SKIRTING

## The Difference is Urethane

Our Urethane Skirting options are a solution for dust containment in bulk transfer points. Designed to have low coefficient friction that reduces drag, BLUE-FLEX , M-FLEX, and DELTA FLEX combines a high tensile strength resulting in longer wear and less tearing compared to rubber skirtboard. The benefits extend beyond dust containment to less maintenance cost, less downtime for replacement and less overall belting and motor fatigue.

### *Did you know?*

Two species of the Ecuadorian fungus Pestalotiopsis are capable of biodegrading polyurethane in aerobic and anaerobic conditions such as found at the bottom of landfills.

DELTA FLEX



Our Delta Flex dual sealing skirt board is the ultimate solution for dust control and bulk product containment at all transfer points.

BLUE-FLEX



Designed to have low coefficient friction. When drag is the problem, go Blue Flex.

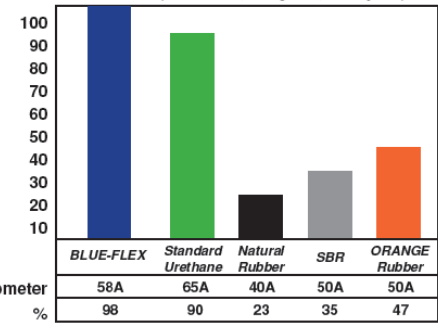
M-Flex



M-Flex triple seal skirt board uses 3 seals to contain fugitive dust and fines within the skirted area.

**ABRASION RESISTANCE CHART**

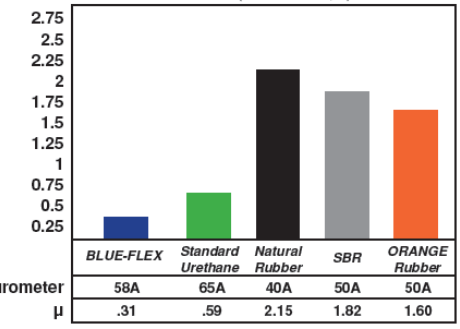
Taber Abrasion (H-18 Wheel,1000g load,1000 cycles)




| | BLUE-FLEX | Standard Urethane | Natural Rubber | SBR | ORANGE Rubber |
|---|---|---|---|---|---|
| Durometer | 58A | 65A | 40A | 50A | 50A |
| % | 98 | 90 | 23 | 35 | 47 |

Test Method was done on a Tabor Abrasion machine. The chart above show the % of material left after 1000 cycles at a 1000g load. The type wheel used was a H-18. The chart shows the BLUE-FLEX to be 2-3 times more resistant to wear against rubber skirt board. Also in field test against rubber skirt board we saw on average the same results. Some field test showed 4 times life expectancy against rubber skirt board.

**FRICTION CHART** (BASED ON 100psi)




| | BLUE-FLEX | Standard Urethane | Natural Rubber | SBR | ORANGE Rubber |
|---|---|---|---|---|---|
| Durometer | 58A | 65A | 40A | 50A | 50A |
| μ | .31 | .59 | 2.15 | 1.82 | 1.60 |

Friction chart's data is the most important of the three. The coefficient of friction of skirt board dictates the final outcome of why BLUE-FLEX is the best choice for sealing your load-zone. Less transfer of heat build up between belt and skirting equals no belt damage along with less motor fatigue. Our field test show zero wear and or grooving to the belt. Less friction on the belt equals less skirt board wear.

### *For Solutions, Contact us:*

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For more information, please visit our website: GROUPACT.COM