

The Aggression range of wear resistant liners consistently extend the wear life associated with materials handling and separation of ores in the mining, material handling and mineral processing industries. Tega's range of wear and flow solutions provide significant business value in assisting clients to achieve its operational objectives.

Benefits of our wear resistant liners:

- > Impact and abrasion wear management
- > Flow enhancement
- > The chemical/pH effect
- > Noise reduction
- > Spillage control



Aggression Rubber Liner

Standard Liner Specifications

- > 500mm x 1000mm
- > 510mm x 510mm
- > 500mm x 1250mm
- > 750mm x 1000mm
- > 750mm x 1250mm

Application Areas

- > Primary and Secondary impacts
- > Sliding & abrasion zones for chutes
- > Hoppers
- > Bins
- > Launderers

Liner Thickness

Liners are available at the following thickness: 30, 40, 50, 60, 80, 100, 120mm.

Customised dimensions of all liners are also available.

Aggression Prime Rubber Liner

The Ultimate is all-round durability, for:

- > Conveyors
- > Chutes
- > Launderers
- > Screen Media
- > Trommel panels

- > Significantly increased wear life over traditional rubber wear liners
- > Increased overall tensile strength
- > Excellent impact resistance

Preliminary test results show an improvement of up to 500% in abrasion resistance, an increase in tensile strength of 40% and an increased tear strength of around 50%.



Aggression

Wear Liners

Aggression Ceramic Liners

Liner Features

- More durable than steel
- Enhanced wear life in critical operating conditions
- Low co-efficient of friction
- Predictable wear pattern
- Interlocking ceramic design

Application Areas

- Screen chutes
- Tripper deflector walls
- Launderers
- Conveyor transfer points
- Feeder side wall



Aggression ZTA Ceramic Liners

The next generation in ceramic wear liners are the ZTA liners, offering the ultimate in abrasive resistant high-density zirconia toughened ceramic. The ZTA ceramics are vulcanized to a rubber bed and steel plate suitable for stud welding. They offer an increased lifetime of more than 2.5 to 3 times more than standard ceramic liners, plus a significant increase in impact resistance, which make ZTA liners an ideal solution for problematic applications where traditional liners struggle.

Applications Include

- Deflector/impact plates
- Skirt Liners
- Bins and hoppers
- Chutes
- Launderers



Aggression Polyurethane Liners

Polyurethane wear plates are steel backed, the steel is bonded with polyurethane to prevent fines penetrating behind the liner plate, thus preventing bulging of the liner which can otherwise cause liner dislodgement. These liners are a harder material compared to rubber but softer than plastic, therefore providing an excellent degree of abrasion resistance together with flow ability.



Aggression UHMWPE Liners

Ultra-High Molecular Weight Polyethylene (UHMWPE) is a resin-based product having molecular weight greater than 4million gm. /mol. It is important that we do not confuse UHMWPE with High-Density Polymer (HDPE) because HDPE does not exhibit superior wear characteristics as UHMWPE due to its lower molecular weight.

Aggression Chute and Launder Flow Systems

Chutes play an important role in the process of material transfer. An optimal chute design can assist in smooth material flow without any loss in product whilst it is transported from one transfer point to another.

Tega designs their Chute and Launder systems with the use of various proprietary software, including; DEM, FEA, ANSYS, SymTraj, SymRos, SymTrop, SymWear, SymFlo, etc.



PARTNERSHIPS IN PRACTICE



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