

Open Cast Construction

The Secret To Longer Life

Constructed by an open cast, poured method, Major Wire PolyTend™, PolyClip™, PolyPin™ and SuperSoft polyurethane screen media deliver longer life than woven wire. No matter the screen deck design, producers can use our polyurethane panels without costly deck modifications.

Only open cast construction gives producers a choice between single and dual hardness panels. A range of dual hardness panels extends the wear life in dry screening applications. Single hardness panels work equally as well in wet or dry screening applications.

DUAL HARDNESS

Designed to increase wear life in dry applications

60 ShA →

85 ShA →



POLYTEND™

Polyurethane Advantages Without Screen Deck Modifications

Our PolyTend side- and end-tensioned panels are molded to fit traditional crown-bar screens; so you can take advantage of the long wear life of polyurethane without deck modifications. You can quickly switch out woven wire and PolyTend screen panels or install both PolyTend panels and woven wire on the same screen.



PolyTend Tensioned Panels:

- Molded to fit and easy to install on traditional screen decks without costly modifications
- Open cast, poured method delivers superior wear life over comparable polyurethane media
- Up to 15 times the wear life of traditional woven wire
- Molded panel overlaps prevent possible contamination of spec product
- Dual hardness of 60/85 ShA increases wear life in dry screening applications and is highly recommended when feed is over 50 mm (2")
- Standard single hardness of 85 ShA for wet screening applications with a hardness range of 60 to 90 ShA available. 60 ShA panels help reduce pegging in washing applications
- Square and rectangular opening panel designs available
- Available with dewatering inserts



Open Cast Polyurethane Screening Systems

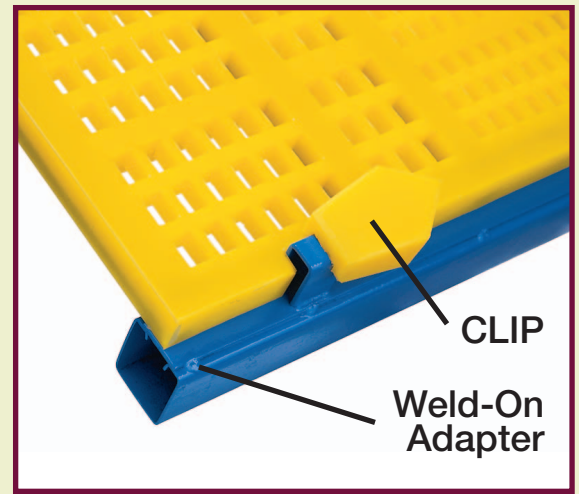
POLYCLIP™

Featuring A Unique Anchoring System To Fit Any Frame

High-volume producers who infrequently change size specifications will benefit from our long-life PolyClip modular panels. With their unique, weld-on adaptor and polyurethane clip anchoring system, PolyClip panels are quickly and easily installed to any flat screen frame. Increased wear life means less downtime from fewer screen changes, resulting in higher productivity.

PolyClip Modular Panels:

- Standard 30 cm (12") width with smaller custom widths available to meet any screen deck size
- Standard 122 cm (4') length with 61 cm (2') and 91.5 cm (3') widths also available
- Molded adaptors available to fit Isenman, Durex and other frames
- Delivers up to 15 times the wear life of traditional woven wire
- Open cast, poured method delivers superior wear life over comparable polyurethane media
- Dual hardness of 60/85 ShA increases wear life in dry screening applications and is highly recommended when feed is over 50 mm (2")
- Standard single hardness of 85 ShA for wet screening applications with a hardness range of 60 to 90 ShA available. 60 ShA panels help reduce pegging in washing applications
- Square and rectangular opening panel designs available



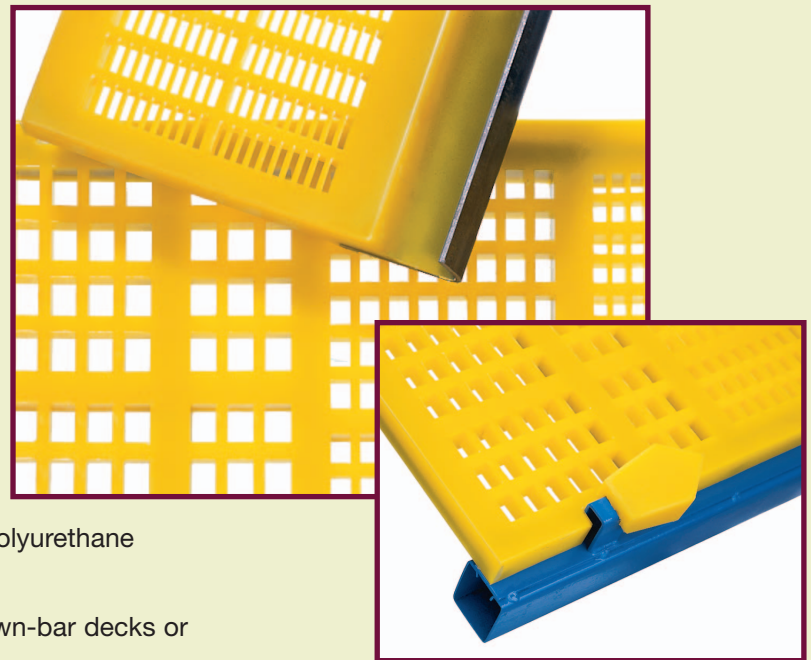
SUPERSOFT

Reduce Blinding While Increasing Wear Life

With our SuperSoft PolyTend™, PolyClip™ and PolyPin™ panels, you get the best of both worlds – increased wear life over woven wire and reduced blinding in tough screening applications. This flexible polyurethane screen cloth will fit both traditional crown-bar and flat screen decks.

SuperSoft Polyurethane Panels:

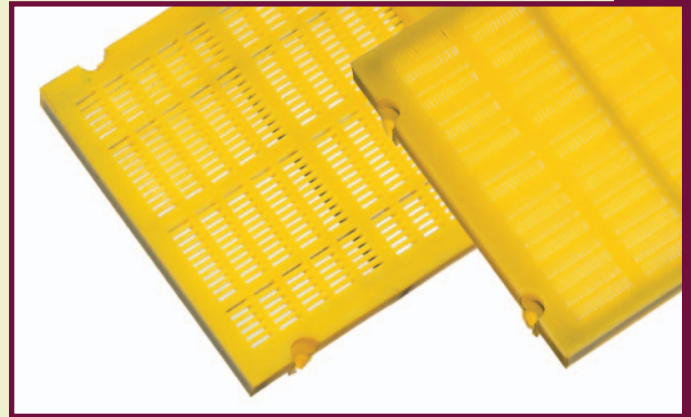
- Constructed with super-soft, 40 ShA single hardness polyurethane
- Reduces blinding in tough screening applications
- Available in either PolyTend™ tensioned panels for crown-bar decks or PolyClip™ modular panels for flat screen decks
- Up to 15 times the wear life of traditional woven wire
- Can be molded to fit specific screen sizes
- Screening thickness ranges from 6 mm (1/4") to 60 mm (2 3/8")
- Square and rectangular opening panel designs available
- Polyurethane frame thickness ranges from 25 mm (1") to 50 mm (2")



POLYPIN™

Cast For Superior Wear Life

Major Wire PolyPin modular 1' x 1' panels deliver maximum wear life over comparable square panel designs. Our poured-method construction delivers up to 3 times the wear life of inferior injection-method modular panels. Major Wire offers the choice between single- and dual-hardness designs, giving producers more choices to meet a variety of application demands.



PolyPin Polyurethane Panels:

- Poured-method design lasts up to 3 times longer than injection-method panels
- Standard 300 mm (12") x 300 mm (12") panels with 25 mm (1") to 76 mm (3") frame thickness
- Screening thickness ranges from 6 mm (1/4") to 60 mm (2 3/8")
- Square and rectangular opening panels available
- Dual hardness of 60/85 ShA increases wear life in dry screening applications and is highly recommended when feed is over 50 mm (2")
- Standard single hardness of 85 ShA for wet screening applications with a hardness range of 60 to 90 ShA available. 60 ShA panels help reduce pegging in washing applications

Polyurethane Screening Systems - A Sound Investment

Not only do Major Wire's polyurethane screening systems offer producers significantly longer wear life, but they also lower sound levels generated by screens. Studies have shown that polyurethane screen panels operate at 10-15 dB lower than traditional woven wire screen cloth. For producers where noise generated is a consideration, Major Wire offers the solution, no matter the type of screen deck.



*For Washing Applications
60 ShA Panels Reduce Pegging*

Polyurethane Accessories:

- **Polyurethane spray nozzles** – produce fanned spray for washing applications
- **Clean screen cloth without chains** – by using Major Wire's polyurethane ball cleaning system
- **Central fixation bars** – for PolyTend panels installed on 5' wide screen decks and larger ensure proper attachment to screen decks
- **Polyurethane dams** – improve screening efficiency by reducing properly-sized material run-offs
- **Polyurethane side wear bars** – come in a variety of thickness and depths for increased wear life no matter the style of screen deck



POLYURETHANE SPECIFICATIONS

SQUARE OPENINGS

SINGLE AND DUAL HARDNESS

Nominal opening		SCREENING THICKNESS		TOTAL THICKNESS		Open Area
mm	in	mm	in	mm	in	%
3.2	1/8	6	1/4	25	1	32.0
4	5/32	7	9/32	25	1	33.0
4.5	3/16	8	5/16	25	1	34.1
5.5	7/32	8	5/16	25	1	35.0
6.5	1/4	8	5/16	25	1	32.1
7.5	9/32	9	11/32	25	1	37.3
8	5/16	9	11/32	25	1	36.0
8.5	21/64	10	3/8	25	1	36.0
9	11/32	10	3/9	25	1	40.4
9.5	3/8	10	3/10	25	1	40.1
10.5	13/32	11	7/16	25	1	40.8
11.5	15/32	12	1/2	25	1	39.3
12.5	1/2	12	1/2	25	1	41.6
13.5	17/32	13	17/32	25	1	42.8
14	9/16	13	17/32	25	1	46.6
15	19/32	15	5/8	25	1	41.2
16.5	21/32	15	5/8	25	1	41.2
17.5	11/16	15	5/8	25	1	41.4
18.5	3/4	15	5/8	25	1	40.7
20	13/16	18	3/4	30	1 3/16	44.8
22	7/8	18	3/4	30	1 3/16	41.9
23	15/16	18	3/4	30	1 3/16	44.7
25	1	18	3/4	30	1 3/16	46.0
27	1 1/16	18	3/4	30	1 3/16	39.4
28.5	1 1/8	25	1	30	1 3/16	44.8
30	1 3/16	25	1	30	1 3/16	47.0
32	1 1/4	25	1	30	1 3/16	46.5
34	1 5/16	30	1 3/16	35	1 3/8	46.2
35	1 3/8	30	1 3/16	35	1 3/8	45.9
37.5	1 1/2	30	1 3/16	35	1 3/8	43.8
40	1 5/8	30	1 3/16	35	1 3/8	46.0
45	1 3/4	30	1 3/16	35	1 3/8	46.0
50	2	40	1 5/8	40	1 5/8	48.0
60	2 3/8	40	1 5/8	40	1 5/8	48.0
63	2 1/2	40	1 5/8	40	1 5/8	48.0
70	2 3/4	40	1 5/8	40	1 5/8	48.0
80	3 1/8	50	2	50	2	48.0
85	3 3/8	50	2	50	2	48.0
90	3 1/2	50	2	50	2	48.0
100	4	60	2 3/8	60	2 3/8	48.0
105	4 1/8	60	2 3/8	60	2 3/8	48.0
110	4 3/8	60	2 3/8	60	2 3/8	48.0
115	4 1/2	60	2 3/8	60	2 3/8	48.0

RECTANGULAR OPENINGS

SINGLE AND DUAL HARDNESS

Nominal opening		SCREENING THICKNESS		TOTAL THICKNESS		Open Area
mm	in	mm	in	mm	in	%
0.8 X 11.5	1/32 X 15/32	10	3/8	27	1 1/16	12.2
1.0 X 11.5	.039 X 15/32	8	5/16	25	1	15.2
1.2 X 11.5	3/64 X 15/32	6	1/4	23	15/16	18.4
1.5 X 20	1/16 X 13/16	8	5/16	25	1	21.9
2.0 X 20	5/64 X 13/16	8	5/16	25	1	25.3
2.5 X 20	3/32 X 13/16	8	5/16	25	1	29.2
3.0 X 20	1/8 X 13/16	8	5/16	25	1	32.1
3.5 X 20	9/64 X 13/16	8	5/16	25	1	34.1
4.0 X 20	5/32 x 13/16	8	5/16	25	1	38.9
5.0 X 20	3/16 x 13/16	8	5/16	25	1	43.8
6.0 X 20	1/4 x 13/16	12	1/2	25	1	42.3
1.5 X 10	1/16 x 3/8	8	5/16	25	1	21.7
2.0 X 10	5/64 x 3/8	8	5/16	25	1	23.2
3.0 X 10	1/8 x 3/8	8	5/16	25	1	29.4
3.0 X 15	1/8 x 5/8	15	5/8	30	1 3/16	25.5
5.0 X 15	3/16 x 5/8	15	5/8	30	1 3/16	33.1
8 X 12	5/16 x 15/32	11	7/16	25	1	43.8
12 X 18	15/32 x 23/32	12	1/2	25	1	45.9
16 X 24	5/8 X 15/16	15	5/8	25	1	48.4
20 X 25	13/16 X 1	18	3/4	30	1 3/16	47.8
27 X 63	1 1/16 X 2 1/2	40	1 5/8	40	1 5/8	45.7

DEWATERING INSERTS

Nominal opening		SCREENING THICKNESS		TOTAL THICKNESS		Open Area
mm	in	mm	in	mm	in	%
0.2 x 11	.008 x 7/16	7	9/32	35	1 3/8	5.6
0.3 x 11	.012 x 7/16	7	9/32	35	1 3/8	8.4
0.4 x 11	.016 x 7/16	7	9/32	35	1 3/8	8.8
0.5 x 11	.020 x 7/16	7	9/32	35	1 3/8	11.0
0.6 x 11	.024 x 7/16	7	9/32	35	1 3/8	13.2
0.8 x 11	.031 x 7/16	7	9/32	35	1 3/8	14.7
1.0 x 11	.039 x 7/16	7	9/32	35	1 3/8	17.1

MAJOR Innovations When It Comes Down To Your WIRE



MAJOR

SINCE 1884

ISO 9001 Registered

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Polyurethane specifications apply to all Major Wire polyurethane screening systems, including PolyTend, PolyClip, SuperSoft and PolyPin. SuperSoft flexible polyurethane screen cloth is available in single hardness only.

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