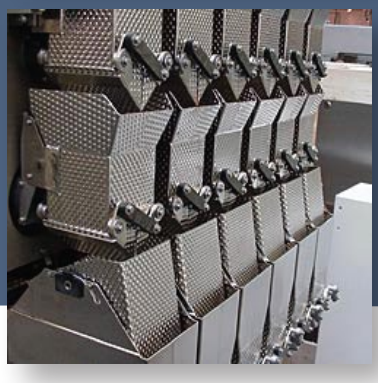
RIGID-tex®





Rigid-Tex® Low-Friction Surfaces for

Material Handling, Food Processing, and Packaging Equipment

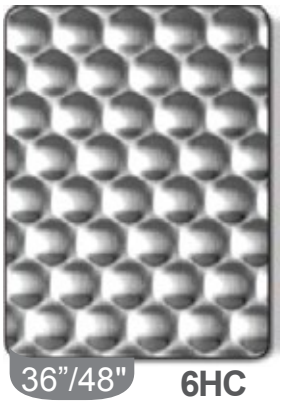
RIGIDIZED® METALS CORPORATION

Material Handling, Food Processing, and Packaging Equipment
Textured Metal Data

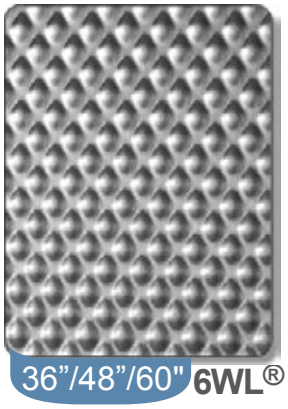
Rigid-Tex® textured metals minimize surface contact area compared with flat metals. This process greatly reduces friction, static cling and helps end machine jam-ups and downtime. Raw or packaged materials move faster and easier through conveyors, packaging machinery, food processing equipment, and any other material handling applications. Available in stainless steel and other metals with a choice of embossed metal patterns and finishes to fit your needs.


36”/48" 2WL®


36”/48”/60" 5WL®


36”/48" 6HC


48" 7DL


36”/48”/60" 6WL®

Specifications:

Pattern	Max. Width	Stainless Steel Thickness	Other Metal Thicknesses
2WL®	48"	0.018"-0.036"	0.008"-0.032"
5WL®	60"	0.018"-0.075"	0.008"-0.075"
6WL®	60"	0.018"-0.120"	0.008"-0.125"
6HC	48"	0.024"-0.105" / 0.120" max 36" wide	0.024"-0.125"
7DL	48"	0.036"/0.060"/.075"	N/A

Standard lengths: 96”,120”,144”; Standard Widths: 36”,48”,60” Custom sizes available.

Friction Comparision of Rigidized® to Flat Steel for Chute Applications

	Flat Sheet		Rigidized® Sheet (6WL®)		Percent Improvement
	Incline Angle	C_f	Incline Angle	C_f	
Static C_f-Dry	19.8°	0.36	17.5°	0.32	12%
Static C_f-Wet	34.0°	0.67	27.0°	0.51	24%
Dynamic C_f-Dry	14.0°	0.25	12.0°	0.21	15%

Cf is the coefficient of friction. This is a measure of the relative “Stickiness” of two objects that come in contact. In this experiment, the objects were a loaded cardbord box and a sheet of chute material. For the coefficient of friction (Cf), lower numbers are better. Results will be similar for all patterns of Rigidized® Metals. The Dynamic Cf is determined as the maximum angle upon which a loaded, moving cardboard box is at a condition of impending stop.

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Please phone customer service for specific finish, pattern specifications, non-standard sizes, technical information, and free samples.