

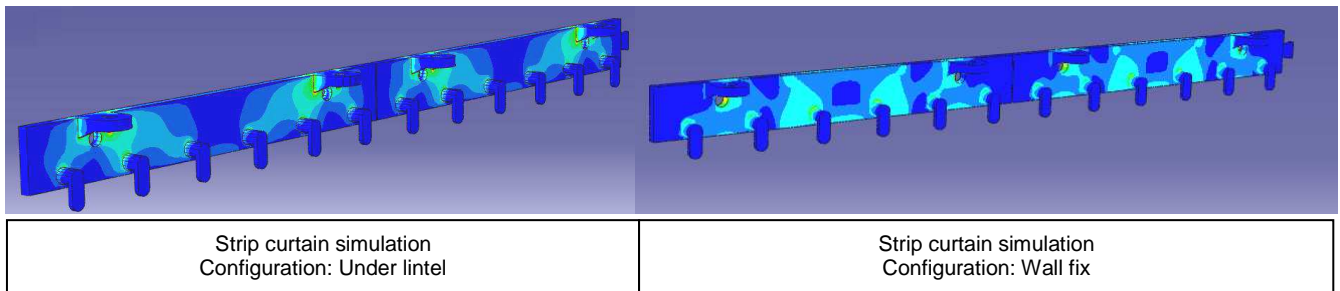
Simulation results

Quick Mount HD hook-on-track (Polypropylene version)

Simulation static load on the hook-on-track					Result Factor of safety (von Mises) Yield strength	
Mass per linear meter	Strength per hook	Application example			Standard duty Under lintel	Standard duty Wall fix
		Strip	Height	Overlap.		
70 kg/lm	35 N	400 x 4 mm	7 m	100%	2	4
45 kg/lm	22 N	400 x 4 mm	4,5 m	100%	4	6
25 kg/lm	13 N	300 x 3 mm	3,5 m	100%	6	11
12 kg/lm	6 N	200 x 2 mm	2,5 m	100%	13	22

Legend: Do not use For pedestrian only – T > 0°C (32°F) Recommended

Temperature of use: from 40°C (104°F) to -25°C (-13 °F) minimum



We advise to use a minimum factor of safety of 10 for vehicles traffic.

This minimum factor of safety can be decreased to 5 for pedestrian traffic for temperature > 0°C (32°F) only.
Hook-on-track fixtures have to be well dimensioned.

It is not recommended to use strips for a 7m high opening because strips will be deformed (twisted, buckled, curved...) under their own weight and hanging defects will be amplified by their height.

It is advised to separate the height into two parts:

A curtain of 4,5m high fixed on a steel beam at 4,5m high.

An additional curtain (7 - 4,5 = 2,5m) fixed to the ceiling and going down to the previous beam.

Maximal high recommended for curtains using strips:

- 200 x 2 mm → 2,2 m
- 300 x 3 mm → 3,5 m

Note: Yield strength is the limit over which the system begins to be deformed permanently.