RIMEX
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FORMULA FOR WEIGHT OF STAINLESS STEEL & ALUMINIUM

The weight of Stainless Steel in KG's is calculated as follows:

Length (in Meters) x Width (in Meters) x Thickness (in mm) x 8 (Density).

e.g. 2400 x 1200 x 0.9mm = 2.4 x 1.2 x 0.9 x 8 = 20.736 KG's

The weight of Aluminium in KG's is calculated as follows:

Length (in Meters) x Width (in Meters) x Thickness (in mm) x 2.71 (Density).

e.g. 2400 x 1200 x 1.5mm = 2.4 x 1.2 x 1.5 x 2.71 = 11.7072 KG's

WEIGHT OF SUBSTRATES

There are various substrates Stainless Sheets can be glued/fixed to, but the most common would be MDF. The different substrates weigh different weights. Check with your lift company as they know the weights of the different ways of doing things/the way your job will be done. Lift companies know accurate weights and because their concern is the overall weight of the car, they know how much spare weight is available on a job.

STAINLESS STEEL FIRE RATING

Stainless Steel as it has an approximate service temperature limit in air of 800 degrees Celsius. It is a very poor conductor of heat and is often used because of its fire rating e.g. Stainless steel is one of only a few materials that can be used for elevator door skins because of this. Stainless Steel does not burn, so smoke should not be relevant.

The colouring of Stainless Steel does not effect the physical properties of the steel in anyway. However the patterning of Stainless Steel can strengthen the steel thus aiding its ability to retain its integrity and shape under heat.