INFO SHEET

REGUPOL ANTI-SLIP MATS

Cost savings with Anti-Slip Mats

Example (according to VDI 2700)

For a load of 7500 kg standing freely on the loading platform (chipboard floor, coefficient of sliding friction approx. μ 0.3) at 10 truckloads per work day and 240 work days per year.

For a pre-tension force of 500 daN per lashing strap, **14 lashing straps** are required when no anti-slip mats are used.

The use of anti-slip mats doubles the coefficient of sliding friction to μ 0.6 and reduces the number of straps required to **3**.

Comparative calculations

Lashing strap: 10 €/pcs.
Edge protectors brackets: 1 €/pcs.
Salary costs: 35 €/h. = 0.58 €/min.
Pre-tensioning/belt = (x · 2 min.) · 0.58 €
Anti-slip mats*: 25 € (approx. 4 transports = 6.25 €)
Laying out the anti-slip mat: 1 min. · 0.58 €

New lashing straps/edge protection brackets are expected every six months, therefore **28 lashing straps/56 edge protection brackets** are required without anti-slip mats and **6 lashing straps/12 edge protection brackets** are required with anti-slip mats.

* Depending on the degree of wear, the replacement can also take place sooner or later as long as the sliding friction coefficient of μ 0.6 is not adversely affected.

Without Anti-Slip Mats		**Costs per year: 42336 €**
Costs lashing straps	(28 · 10 €) : 240 days	1.17 €
Costs edge protection brackets	(56 · 1 €) : 240 days	0.23 €
Salary costs while pre-tensioning the lashing straps	(14 pcs. · 2 Min) · 0.58 €	16.24 €
Costs per truckload		17.64 €
10 truckload per day		17.64 € · 10 = 176.40 €
Approx. 240 days per year		176.40 € · 240 = **42336 €**

With Anti-Slip Mats		**Costs per year: 25464 €**
Costs lashing straps	(6 · 10 €) : 240 days	0.25 €
Costs edge protection brackets	(12 · 1 €) : 240 days	0.05 €
Salary costs while pre-tensioning the lashing straps	(3 pcs. · 2 Min) · 0.58 €	3.48 €
Anti-slip mats	25 €/4 transports	6.25 €
Salary costs while positioning the anti-slip mats	1 min · 0.58 €	0.58 €
Costs per truckload		10.61 €
10 truckload per day		10.61 € · 10 = 106.10 €
Approx. 240 days per year		106.10 € · 240 = **25464 €**

Savings

Savings by using
Anti-slip mats:
approx. **16800 € per year**