



## 6.1 - Introduction and methods

In the project design of a belt conveyor, after having defined the components of primary importance, it is important to consider other accessories such as covers for the conveyor. The necessity to protect belt conveyors may arise from the weather, from the volatile characteristics of the conveyed material, or from the type of works plant, and also from European norms that require the covering of the total length of a belt conveyor in the open. For example rain may create a problem of belt slip on the drums causing a tracking problem.

Extreme temperatures may cause the plant to mal-function or stop, whilst very strong wind may move the conveyor belt off its natural position causing serious problems to the business or loss of conveyed material.

Belt conveyors covers do not require maintenance and are very easy to install and move around.

The fixing system is designed in a way that allows quick and easy relocation of the covers to facilitate the inspection of the conveyor.

There are two styles of covers that are proposed: those in pre-formed PVC and those in corrugated galvanised sheet steel.

## 6.2 - Styles and characteristics

### Covers in steel

The covers proposed are made from galvanised sheet steel corrugated section. They are self supporting, safe, easy to install and adjustable to any structure. On request they can be supplied in other materials or finished with special paint.

They are available for all belt widths and supporting structure and can be supplied with opening windows for inspection and there are also removable covers and ventilated covers for hot environmental conditions.

They are maintenance free.



### Covers series CPTin PVC

Plastic covers, made of preformed anti-shock, neutral colour, transparent PVC. Thanks to the characteristics of the material, they are light, transparent, anti-corrosive and with a smooth surface. Above all they are easy to adapt to any conveyor.

Apart from their resistance to corrosion they are classified "NON FLAMMABLE" DIN 4102.

Notwithstanding this property of self-extinguishing, the limit to the use of PVC covers in hot areas should not exceed 65°C.

