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.

6.2 - Styles and characteristics

Covers series CPTA 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.

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.

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.