



Clean carriage thanks to minimal adhesion

Application and customer's problem

Culterra Holland, based in Workum, produces organic fertilisers for both consumers and companies. The customer had the problem that the organic fertilisers stuck to the PVC belt and/or were taken under the worn scraper and then fell to the ground. This involved a lot of cleaning.
Application: the organic fertilisers are moved from the preparation to the oven by a slight elevation. This belt offers slide plate support. In this case, a hard PE scraper was used

Solution; unique coating, softer carriage

Culterra wanted a solution to prevent lots of cleaning work and called in the expertise of Ammeraal Beltech. We proposed to use the yellow Ropanyl D60 for this application. Due to the unique properties of this belt, including a very hard coating, less to almost no adhesion takes place. Also, a softer PU scraper (8 mm thickness/65 shA) is used that has a continuous pressure on the belt, which ensures a clean return path so that no more fertiliser falls off the belt. Another advantage of this scraper is that it gives way to irregularities, so that the conveyor belt wears less and lasts longer. The Ropanyl D60 is the ultimate and most unique solution for this situation. First a test belt was used and during this period it appeared that the production process continued uninterrupted. Everybody was so excited about this excellent result that all belts and scrapers were replaced.

Result; Cost savings through fewer hours of cleaning work & a longer lifespan

A big disadvantage of the situation at the time was all that cleaning work. Because now there is less waste, less cleaning is required. This saves no less than 3 hours of work every week! Quickly calculated, this amounts to about € 5000 per year. In addition, the belt has a longer lifespan thanks to the new PU scraper. The belt lasts 2x as long, so instead of once every two years, the belt only needs to be replaced after about four years.