

Comparison between advanced and previous systems (based on sulphur solidification)

Operational experience (sulphur solidification on the Rotoform HS system) shows that the IPCO advanced spraying bar system consumes approximately 2 l/h of water/Tecopren mixture. Based on a maximum concentration of 15%, this actually means 0.3 l/h at a production capacity of 11 t/h of solid sulphur per unit. An operation running three units for 24 hours a day will consume approximately 21.6 litres of Tecopren per day (24h), or about 6 480 litres over 300 days of operation. This has been our standard release agent system since 2014.

The previous system was based on roller technology and had a water/Tecopren consumption rate of 15 l/h. Based on a concentration of 3%, this equated to Tecopren consumption at a rate of about 0.45 l/h per unit. An operation running three units for 24 hours a day would at best consume approximately 33 litres of Tecopren per shift, or about 9 900 litres over 300 days of operation.

Advanced

- Almost maintenance free.
- Lower maintenance costs.
- Lower operation costs.

Previous

- Roller feed.
- Wiper requires hourly cleaning.
- Release agent basin to be cleaned twice a week.
- High maintenance costs due to roller and bearings.
- Constant monitoring required.



By spraying a release agent onto the steel belt, pastilles are removed from the belt more efficiently, preventing damage to the product and reducing the amount of dust.

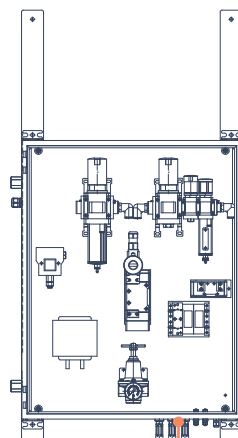
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AGENT — UPGRADE —
SYSTEM — AND — RETROFIT —
PROSPRAY — PROSPRAY —
SPRAYING — RELEASE — AGENT
AND — RELEASE — SPRAYING —
UPGRADE — SYSTEM —

Release agent spraying system: ProSpray

Applying release agent to the steel belt immediately before the product infeed ensures more effective removal of pastilles from the steel belt.

The design of the spraying system ensures that the steel belt is only coated with the amount of release agent needed to reduce the adhesive force between the pastille and the steel belt. This prevents damage to the pastilles on the scraper and significantly reduces the amount of dust generated. Together with our new ProMix online mixing system, this advanced technology delivers precise mixing and exact dosing/spraying.



Control panel.

ProSpray system with protective head / cover.



Spraying bar with nozzles.