

Protact®: Polymer-coated steel for sustainable aerosol packaging

Jolanda van Beek
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Together we make the difference




Tata Steel

Production sites for packaging in Europe®

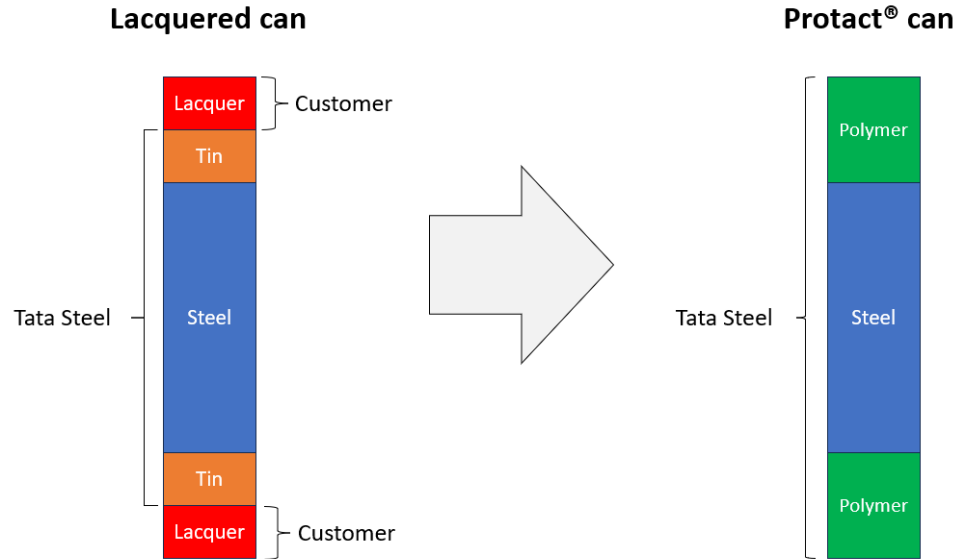


Protact®


 Polymer coated steel

Protact®

The new way of coating for steel packaging

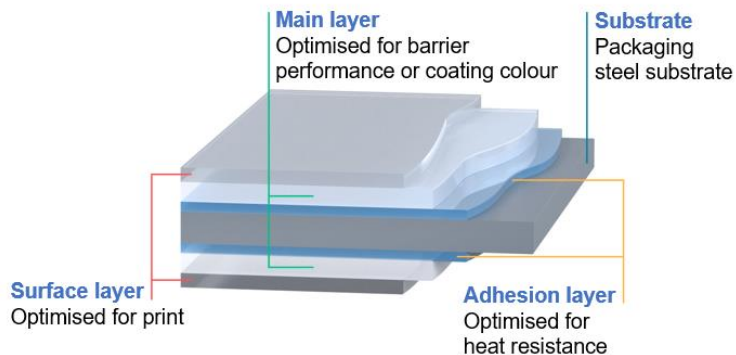


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The new way of coating for steel packaging



Polymer-coated steel


Ready to use for can making

- 3-layer coating
- Coating thickness of 15 – 30µm
- Optimized composition for each layer
- Both sides coated in one pass

Protact®

 Polymer coated steel

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 Polymer coated steel

The Sustainable Choice



Fully Recyclable



Lower CO₂e



Reduced VOCs



Tin Free (2P)

Superior Coating Performance



Premium look & feel



Highly Formable



Widest fill-good range



BPA Free Inside & Out

Efficient Supply Chain



No need for lacquering



Enabling lean can-making




Shorter lead-times



Reduced inventory



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Film Line

Facilitates polymer recipe control



Polymer Coating Line

Possibility for application specific processing



Protact® for aerosol applications

Technical requirements for different areas of applications



Protact® product compatibility

Wide range of compatible fill-goods

Chemicals	Products
Soapy solutions	Lubricants
Alcohol	Insecticide
Starch	Brake cleaner
Propellants	Bathroom cleaner
Aliphatic solvents	Disinfectant
Aromatic solvents	Hairspray
Solvents	Whipped cream
Watery solutions	Cheese spray
Fatty products	Shaving cream
	Glass cleaner
	Sanitizer
	Cooking spray
	Edible oil

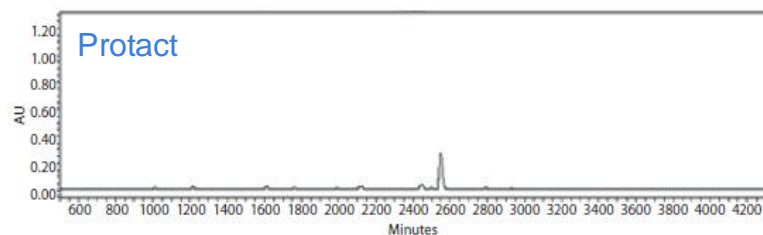
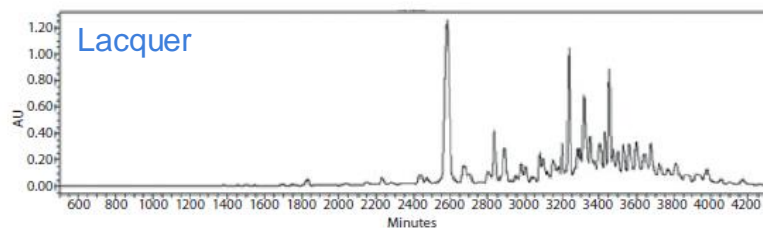


Protact® has simple chemistry

No need for additional pack testing due to legislation changes

Protact®

Polymer coated steel



Food safe & future-proof

- Simple chemistry
- Long shelf-life
- BPA, BPS, BPF, BADGE free
- No PFAS or PVC
- HPLC analysis shows a 'forest of peaks' for lacquers
- NIAS screening indicates no endocrinic or carcinogenic activity

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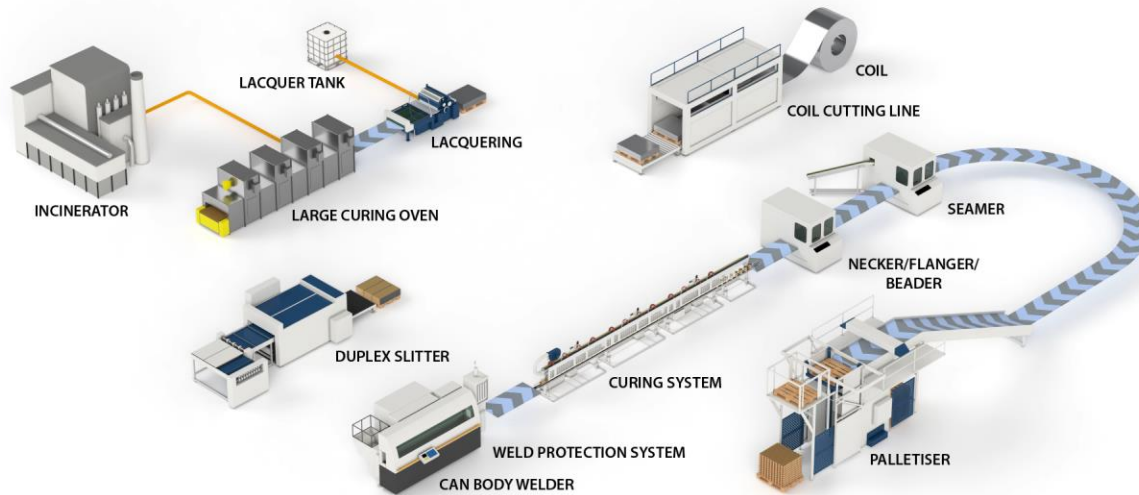


Efficient supply chain


Making your 3-pc can making line more comprehensive

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Protact® for future-proof packaging

To meet your sustainability targets

	PROTACT	LACQUERS
	No VOCs used	Emission of VOCs related to lacquer curing
	CO ₂ emission savings	Complex sheet fed lacquering High natural gas use for curing
	Recycling without additional steps Tin free substrate (for 2pc and components)	Recycling without additional steps Tin substrate

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For further information
visit us at our stand **R40**

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