

Protact[®] polymer-coated steel

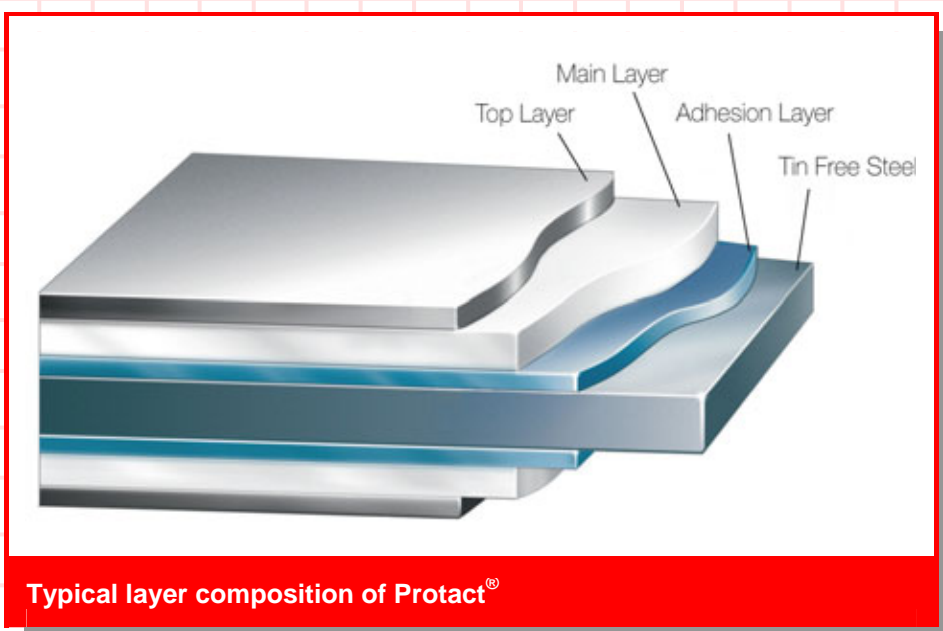
Polymer-coated packaging steel for better protection

Introduction

Protact[®] is the brand name of Corus Packaging Plus for packaging steel coated with a multilayer thermoplastic polymer coating.

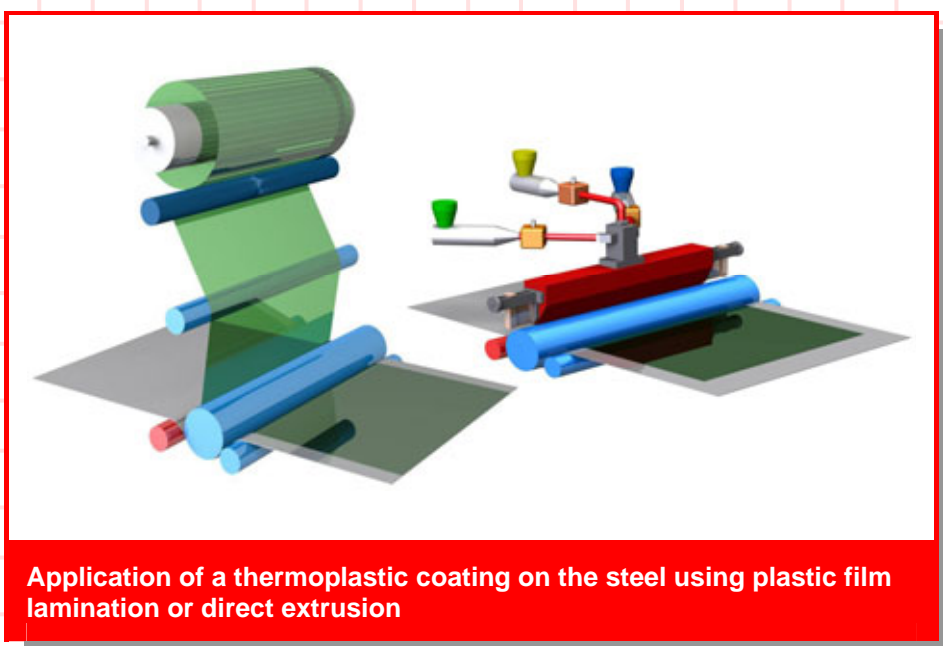
Coating types:

- Polyethylene terephthalate (PET), 15 – 30 µm
- Polypropylene (PP), 15 – 200 µm
- Variety of colours: white, clear, gold, black
- Functional properties: release, non-blushing, printable



Advantages of Protact[®]:

- Clean, foodsafe product
- Environmentally friendly, no solvent emissions
- Highly deformable coating allowing extreme DRD and DWI canmaking processes from pre-coated steel
- Good decorative and aesthetic possibilities



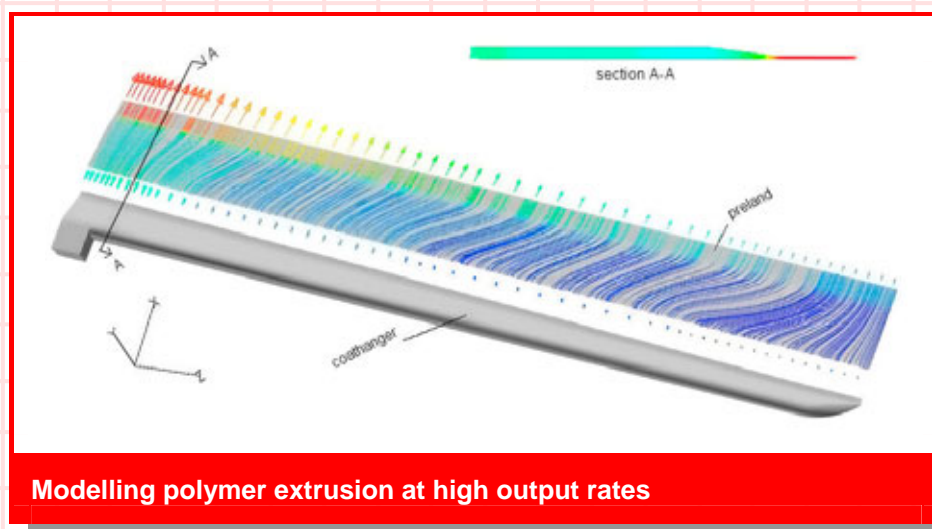
Research activities for Protact[®] focus on different areas:

- Process development
- Product development

Process development

Process development at Corus Research includes:

- Achieve improved product quality (e.g. homogeneity)
- Better process economy (e.g. speed, temperatures, fast recipe change)
- Both experimental work and theoretical studies



Product development

Corus Research develops new thermoplastic coating compositions for Protact[®] to meet stringent requirements of the packaging market, such as:

- Acetic acid resistant coatings
- Chemically resistant coatings
- Improved colour characteristics

Product development for Protact[®] involves various disciplines that are available within the Packaging Applications department:

- Coating technology
- Can making technology
- Product performance and evaluation

