



Test results with Protact®

The aerosol industry has developed a wide range of product formulations, which are usually complex and unique mixtures. Because of this variety, a pack test is recommended. This table gives an indication of those fill products or components that show a good compatibility with PET and PP coating and those that are critical, but is by no means comprehensive.

PET coating		PP coating	
Excellent compatability	Critical compatability	Excellent compatability	Critical compatability*
Alcohols (e.g. hair mousse, hair spray)		Alcohols (e.g. hair mousse, hair spray)	
Soapy solutions with high pH (e.g. shaving foam)		Soapy solutions with high pH (e.g. shaving foam)	
Starch		Starch	
Propellants (e.g. DME, LPG, Butane/propane)	Hypochlorite containing solutions	Propellants (e.g. DME, LPG, Butane/propane)	Hypochlorite containing solutions
Aliphatic solvents (e.g. white spirit)			Aliphatic solvents (e.g. white spirit)
Aromatic solvents (e.g. xylene)	Ammonia containing solutions	Ammonia containing solutions	Aromatic solvents (e.g. xylene)
Most solvent based systems (e.g. insecticides)		Most solvent based systems (e.g. insecticides)	
Watery solutions	High concentration salt solutions	Watery solutions	High concentration salt solutions
Fatty products (e.g. oils, lubricants)		Fatty products (e.g. oils, lubricants)	Hydrogen peroxide

*Aromatic solvents (xylene) and aliphatic hydrocarbons (white spirit) tend to weaken the PP coating but the risk of corrosion is small because they do not mix with water

Protact® for high-end pack integrity

Protact is an advanced and innovative polymer-coated material that delivers excellent pack performance for a wide range of products:

- personal care: shaving foams, gels and deodorants
- food: creams and spraying oils
- household: air fresheners, cleaning products and insect repellents
- industrial: paints and lubricants

Compared to lacquers, Protact is thicker with better formability. The unique coating integrity and scratch resistance of Protact protect both the inside as well as the outside of the aerosol components. Completely protected from corrosion, the excellent looks of the can remain, even while the packaging is being used intensively or stored in humid conditions.

For food products such as whipped cream the certified food safety performance of Protact is second to none. Also, an extension of shelf life can be realised when specifying Protact rather than traditional lacquers.

Research undertaken by Corus confirms that Protact is the best packaging material available for a diverse range of product contents, especially for harder to hold products such as hair mousse and starch. Protact offers high-end pack integrity, both for the inside as well as the outside.

