

PRODUCT INFORMATION SHEET

Simatec[®] VP 1593

Release Coat

Simatec[®] VP 1593 shows effective adherent (anti-adhesive) properties, therefore it is recommended for coating on the reverse side of pressure sensitive adhesive tapes (e.g. packaging and strapping tapes).

Simatec[®] VP 1593 has a stable releasing strength on a number of foil materials, for example Polypropylene (oPP, mPP), Polyester, PVC and other material which will be not dissolved by Xylene or Toluene. Polypropylene is usually treated on the backside (coated than with release coat).

In processing *Simatec[®] VP 1593* needs neither a catalyst, nor a special curing system – only conventional drying

Solution Preparation

The *Simatec[®] VP 1593* – Powder is dissolved in toluene or xylene at 60°C. Solutions will be prepared by diluting 0,1% to 1 % *Simatec[®] VP 1593* in solvents at higher temperature (up to 60 °C) under stirring. After the powder is completely dissolved, stirring of mixtures should be continued for further 10–20 minutes. Solutions must be clear and should not contain additional insoluble material as specified for *Simatec[®] VP 1593* – Powder. Freshly prepared solutions should be consumed within 1 week.

Application

Solutions of 0,1–2 w/w in toluene or xylene are recommended for use in a temperature range between 20°C and 35°C – depending on the intended release effect, type of foil and coating equipment. For PP a 0,3 w/w solution is recommended. In all cases solutions should pass a fine meshed filter (appr. 5 µm).

Do not use clouded solutions!

On de-rolling a PP tape, a characteristic noise appears. This noise depends on adhesive, thickness of the foil and temperature.

Printing

Printing of packaging tapes: the release is removed, e.g. by toluene, gliding over a rod with wet felt. Dried, printed and recoated with *Simatec[®] VP 1593*.

Coat weight

0,01 to 0,2 g/m² on a smooth surface. On Polypropylene packaging tapes are mostly used 0,014 g/m².

Quality

Simatec[®] VP 1593 will be manufactured under control of a *Quality Management- and Responsible Care System*.

Further information

We are referring to *product specifications* and *health and safety data sheets*.

Technical Data:

Appearance:	white to slight yellow solid
Smell:	odorless to light aromatic
Drop point:	100–120°C
Melting point:	90–98°C
Insoluble material:	max. 1%
Cloud point	
1 % solution in toluene	< 25°C (in Xylol)
0,5% solution in toluene	< 20°C (in Xylol)

General notes:

The application information in the product sheet and the materials safety data sheet is empirical and reflects our technical experience. The information is not a binding assurance of certain properties. The suitability of a product for a particular purpose must be established by prior tests.

This product information sheet does not release you from your obligation to check incoming goods according to HGB (German Commercial Code) §§ 377 and 378.