

RC 1133 Neutral Matt UV Primer

High Technology

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Properties

RC 1133 PRIMER is a UV curing coating for applications onto Plastics and other substrates.

It provides excellent adhesion to difficult plastics and acts as a key agent for over printing and coating with Digital HP Indigo inks, UV curing inks and coatings to achieve good bonding.

RC 1133 provides a tough and flexible film surface which has very good receptivity and printability providing good resistance from water and chemical attack.

End Use

Primer for Polyolefin, PE, OPP, BOPP, HDPP, PA, PET, PVC, PC, Alu films and coated films.

Can be coated by Gravure, Bar coat, Flexographic, Roller Coater processes.

Overprint ability HP Indigo inks, UV ink jet. Flexographic and Gravure and UV based ink. Lithographic, letterpress conventional and UV inks, UV Screen inks etc.

The use of this primer will enable printing of more difficult substrates with difficult inks like HP Indigo inks.

Guidelines

Plastic surfaces are best prepared with Corona Discharge or Plasma treatment. Pre-coated films may not need surface treatment.

Drying/Curing

High intensity, focused medium pressure ultraviolet arc lamps can be used.

Power levels from 180 watts per cm to 240 watts per cm.

Curing/crosslinking will be dependent on curing power, number of lamps and the machine running speed.

One lamp systems at 180 watts per cm can be used.

One or two UV lamps are more common on most machines.

Running speeds can be 200 metres per minute (dependant on how many lamps used).

Properties	Range	Unit
Total NV Solids	100%	100%
Visc Brookfield		25degMpas
Appearance	Milky	
Density @ 20 degrees	1.02	

Storage and Usage

RC 1133 Primer should be used within three months and stored no longer than six months. Sealed light impervious containers must be used and kept stored in dry ambient (16-28 Centigrade) conditions. Exposure to any ultraviolet light or sunlight may cause premature viscosity increase, gelling and curing to a solid. Exposure to high temperatures greater than 45 degrees centigrade and sunlight could also cause bulk exothermic high temperature reactions and curing/crosslinking to a gel or solid form.

Health and Safety

UV Primers are classed as irritants and as such should be prevented from coming into contact with you or any other person. Irritants have the potential to sensitise. Personnel with sensitive skin would need to take strict precautions in the use of these products. Gloves/goggles/glasses overalls and other suitable protective wear must be used were necessary to protect from any personnel contact.

High Technology

Light Technology Specialists

We specialise in light technologies including light measuring equipment (IR, UV, visible), light curing coatings, inks, adhesives, lamps and equipment.

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