

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY
PROCESSES - MRO - MAINTENANCE
ALTERNATIVE SOLVENTS 100% SAFE**

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iBiotec® PROTECT PE 4748

SOLVENT-FREE PEELABLE COATING FOR PLASTICS THERMOFORMING INDUSTRIES

Shock-resistant, scratch-resistant protection
Masking - Protective materials
for Thermoplastics, Thermohardening Materials
Engineering plastics, Composites
Painted coated metals
Metals that are not sensitive to corrosion

DESCRIPTION

Water-based peelable varnish for the protection of non-corrosion-sensitive substrates. Advantageously replaces the classic peelable varnishes, formulated with solvents in respect of:

- ergonomics – odourless product,
- toxicology – no danger pictograms,
- fire safety – non-flammable product,
- the environment – the product is VOC-free and environmentally friendly.

Remains flexible at low temperatures.

No corrosive action on surfaces. No change in refractive index on transparent substrates.

UV protection.

PROTECT PE 4748 is not an anti-corrosive peelable varnish. Solvent-free, it will not disintegrate or saturate painted surfaces. On the other hand, it can be used on metallic substrates that are not sensitive to corrosion such as stainless steels, light alloys, anodised light alloys, galvanized and electrogalvanized steels, dichromates and titanium alloys. Lacquered metal sheets.

The dry film of PROTECT PE 4748 is temperature resistant and remains peelable, up to 302°F.

AREAS OF USE

Shock-resistant and scratch-resistant protection of aeronautical parts, cockpit canopies in polycarbonate or PMMA.

Shielding during transport or major inspections (D.Check)

Protection of technical parts in the space technology field.

Protection of HIGH-TECH composite parts and prototypes.

Protection of ALU plastics processing moulds.

Masking before painting surfaces. Projective materials.

Protection of paint booth interior panels. Considerable labour time saving during cleaning operations.

Painting robots.
Protection of ALU, PVC or PE frames before installation.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	STANDARD or METHOD	VALUE	UNIT
Appearance	Visual	Liquid	-
Colour	Visual	Colourless amber	-
Odour	Olfactory	weak, practically odourless	-
Density at 68°F	NF T 30,020	1.04	
Brookfield viscosity M2 10 revolutions at 73.4°F		9500-10,000	mPas
Closed cup flash point	ISO 2719	Without	°F
Output		150-200	grs/m ²
dry film		150 to 250	microns
Drying time at 68°F		4-5	hours

DIRECTIONS FOR USE

Can be used on smooth surfaces.
Does not need to be diluted. Ready to use.
can be used with a brush or a paintbrush.
by spraying:
with guns, preferably Airless or Airmix
nozzle 0.5 mm
pressure 4 to 6 bar max

Apply to clean, grease-free surfaces
Optimal atmospheric conditions:
Temperature above 50°F - Relative humidity below 75%
Store away from frost in a sheltered location.
The application equipment must be cleaned with water.

PRESENTATION



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