Undercoating

- primer / adhesion agent for epoxy resins -

bredderpox®

Two component polyurethane primer / adhesion for applications with epoxy resins.
Especially suitable for smooth, non absorptive substrates (many plastics, glass, metals, tiles,…)

Features & Benefits:

- PUR primer for sticking or laminating on smooth surfaces
- high adhesion, suitable for all epoxy resins from HP-Textiles
- black or white ground coat (primer for carbon design)
- for spraying, manual application with paint-brush or roller is also possible
- wax free, without styrene

Not suitable for porous, mineral substrates (concrete, screed,…), PE, PP, PTFE, silicones or elastomers.

Some of these plastics may have release agents on their surfaces (such as ABS).
Theses release agents must be completely clean away - every trace has negative effects regarding adhesion!

Because of the diversity of recycling synthetics (plastic mixtures) it is not possible to certify a universal adherence to every special blend.

Product Properties:

Colouring	black or white		
Base	two-component polyurethane system		
Mixing ratios	100 parts resin / 50parts hardener		(by weight)
Working Time (pot life)	20 - 30 min		(at 20°C or 68°F)
Working Temperature	18 - 25	°C	
Dry time of UC-9004 before laminating / sticking with epoxy			
MINIMUM	24	h	(at 20°C or 68°F)
	5	h	(at 40°C or 104°F)
	→ Higher temperatures accelerate curing.		
MAXIMUM	3	days	(at 20°C or 68°F)
Theoretical consumption	80 - 150	g/m²	(wet)

Product Specifications:

V.O.C. sprayable product	488*	g/L	

Safety Instructions:

The safety instructions are to be taken as being of greatest importance.
Do not allow children to handle. Prevent inhalation of the fumes and contact with the bare skin.
Wear approved protective gloves and goggles. If ingested do not eat, drink or smoke.
Spraying should be carried out under well-ventilated conditions. Avoid inhalation of solvent vapours and paint mist by wearing an air mask. Contains xylene.
Only mix the components in the recommended proportions in accordance with the instructions.

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Surface Preparation:

New components:

Clean and degrease the surface carefully. Remove release agent completely.
Temper the component before coating (depends on the plastic).

Hint: Several plastics may contain release agents (such as ABS, produced in injection moulding).
Every tray of these release agents must be completely clean away, because it has negative effects regarding adhesion. Remove release agents by tempering (hot air at 50-60°C for 0,5 – 2h).

When tempering is finished, clean surface several times with solvent cleaner and sanding pads.
Allow cleaner to vaporize completely before painting.

Old components:

Clean and degrease the surface carefully. Remove release agent completely.
Remove wax, polishing materials, silicones or other contaminations, too.
Also remove / scrape off old cracked paint completely.

Blending:

Mix resin and hardener (100:50 parts by weight) free of air bubbles. Use primer within pot-life time.

Application Instructions:

Spray coating: Nozzle 1.2 - 1.4mm / HVLP approx. 1.3 – 1.4mm

Roller coating: Use rolls with very fine upper face finish.
Apply constant in several directions and avoid bubbles formation.

Before laminating with epoxy, allow a waiting time of 24h at 20°C or 5h at 40°C.
Higher temperatures accelerate drying time. We recommend tests beforehand.

Cleaning Work Tools:

Unhardened product remains can be removed from tools by means of acetone. Tools should be given a good airing after being cleaned with these solvents, in order to prevent the solvent from being retained until the tool is used again in a process.
Hardened remains can only be removed by mechanical means such as grinding tools.

Storage:

Store in a cool dry place. Close opened containers tightly after use. Threaded container tops should be kept free of material remains. Do not exchange tops/lids. With optimal storage conditions, shelf-life should be beyond 12 months.

Disposal:

Do not dispose of through the sewerage system, on areas of open water, or in the soil.
The hardened product waste should be treated as building rubbish or household rubbish.

Further Information:

Further application information can be obtained from our website, by selecting Product Info on the homepage.
Please do not hesitate to contact us by telephone if you have further queries.

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