

Technical specifications

Product:

WATERSHIELD

(Waterbased Release agent)



Typical Properties	
Appearance & Odor	Opaque liquid with bland odor
Carrier	Water
Flash Point (C.C)	None
Coverage per liter	Approx. 130 m2
Cure Requirement	Ambient or heat

USP:

- ✓ ENVIRONMENTALLY SAFE
- ✓ No solvents or alcohol
- ✓ No CFC's, VOC's, or ODC's
- ✓ Fast cure
- ✓ Non-flammable
- ✓ No build-up on mould
- ✓ Thermal Stability
- ✓ High Gloss
- ✓ High Slip/lubricity
- ✓ Easy recoat/touch-up
- ✓ Aerospace approved

Release agent:

- Water based, micro polymer resin.
- The product spread a uniform coat on the surface (according to application Guidelines)
- The release agent withstand a working temperature: **≤ 280 °C**
- Relative Humidity (according to Production Guidelines): **20-70 %**
- Surrounding temperature (according to Production Guidelines): **18-24 °C**
- Application method (wipe-on/wipe-off): **Mop or Cloth**
- Curing time (ref.: Surrounding temperature): **Min. 30 minutes**
- Number of pull offs before touch up: **Multiple releases** – but number of pull-offs will depend on design of mould, laminate, choice of rawmaterials, prod.methods, environment etc.

The following figures are measured on polyester gelcoat tooling at 25°C and 30% relative humidity:

- Maximum gloss after application: **45 - 60 GU @ 60° angle**
- Surface tension (optimal): **45 dynes·cm⁻¹**

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