Berkshire
ENGINEERED CLEAN

Product Information
ISO Class 3 – 5
Cleanroom Class 1 – 100
EU Grade B/C/D
USP <800>

SatPax® MicroSeal®-VP

Pre-wetted Sealed Edge Cleanroom Laundered 100% Polyester Knit wiper

BPR • AUTHORISED • BIOCIDAL PRODUCTS REGULATION

SatPax® MicroSeal®-VP is an ultrasonically sealed edge cleanroom-laundered wiper recommended for ISO Class 3 and higher environments, made from 100% continuous filament polyester knit fabric. The wiper is pre-wetted with a consistent concentration of 70% USP Grade IPA and 30% DI Water. This combination of properties provides SatPax® MicroSeal®-VP with the exceptional cleanliness, abrasion resistance, and chemical compatibility necessary for cleaning critical environments. The pre-wetted format offers a cost-effective and user-friendly solution compared to the traditional bulk handling of solvents and the maintenance of squirt bottles and inconsistent wetting and cleaning associated with saturating a dry wiper.

Berkshire's SatPax® 70/30 IPA biocidal product range is authorised under the EU Biocidal Product Regulation (EU) 528/2012 for sale throughout the EU and EEA. The products in the range are efficacious against bacteria and yeast, with a contact time of 1 min.



Key Attributes

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fibre contamination
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom
- Pre-wetted with consistent 70% USP Grade IPA/ 30% DI Water
- 3-year shelf life from date of manufacture

Benefits

- Critically low particles, fibres, ions and extractables
- High abrasion resistance
- High absorbency
- Increases cleaning protocol consistency
- Light weight material design reduces actual cost in use compared to heavier weight products
- Lot traceability

Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for cleaning surfaces and equipment and USP <800> applications
- Excellent for cleaning sterile laminar air flow units, barrier isolators and bio-containment units
- Ideal for glove wipe downs during gowning procedures

Sterile Validated Option
For aseptic processing areas, the same wiper material can be provided in a gamma irradiated validated sterile to a 10^{-6} sterility assurance level.

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Technical Data (In Dry State)

Attribute		Units	Value	Test Method
Basis Weight		g/m^2	**130**	TAPPI T -410
Caliper		µm	**442**	TAPPI T -411
Fibres	≥100µm	fibres/cm^2	**0.12**	IEST -RP -CC004.4 Sec 7.1.3/Sec 7.2.2 modified
Particles	≥0.5µm	$x10^3/cm^2$	**0.31**	IEST -RP -CC004.4 Sec 7.1.3/Sec 7.2.1 modified
Sorbency	Capacity	mL/m^2	**448**	IEST -RP -CC004.4 Sec 9.1 / Sec 9.2 modified
	Efficiency	mL/g	**3.4**	
	Rate	seconds	**1**	
Non-Volatile Residue	DI Water	g/m^2	**0.0019**	IEST -RP -CC004.4 Sec 8.1.2
	IPA	g/m^2	**0.0054**	
Ions	Na^+	ppm	**0.17**	IEST -RP -CC004.4 Sec 8.2.2
	K^+	ppm	**0.024**	
	Ca^{++}	ppm	**0.053**	
	Mg^{++}	ppm	**0.011**	
	Cl^-	ppm	**0.032**	

Efficacy Data

Microorganism	Log Reduction (EN16615)
Staphylococcus aureus	>6.07
Pseudomonas aeruginosa	>5.59
Enterococcus hirae	>5.72
Candida albicans	>4.32

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Notes:

- Technical data represented in this table are typical value at the time of publication. These should not be used as product specifications.
- Due to differences in test methods applied and equipment utilised by different wiper manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions
- Third party testing can be performed upon request

Order Information

Product	Number	Size	Shts/pk	Pks/cs	IPA/DI Water	Saturation	VOC% by Weight	Style
SatPax ® MSVP	SPXVPR112BPR	9"x 9" (23cmx23cm)	30	12	70/30	60%	38	J-Fold

For more information on our other contamination control products or technical consultation, please contact your Berkshire Sales Representative or e-mail: **info@berkshire.com**

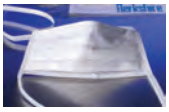
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