

GRANUDAN

YOUR PARTNER & CONSULTANT IN MOULD RELEASE AGENTS

PRODUCT CHART

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CLEANERS

Name	Surface Cleaner zysur003	WaterClean zywatcl003	GR-08 GR08005
			
Water/solvent	SOLVENT	WATER	WATER
Product condition	Contains toluol!	non-hazardous, non-flammable	Contains Butylglycol
Product	Very effective cleaner of wax and styrene build-up. Removes release coat - but not Sealer.	Used with water. REMOVES SEALER AND RELEASE. Can be used single or in combination with wet-grinding of moulds and parts. Environmentally safe and effective water-based Cleaner.	An effective deoiler. Removal of surface contamination such as oil, soap, grinding dust. Will not remove Sealer.
Remarks	Use safety equipment! Note! For improve tackyness use Surface Cleaner e.g. on flanges and edges.	May NOT dry out on surface. Use water for removal.	Note: Can be used after WaterClean to remove grinding dust and water left in porosities.
Consumption	Depending on task. Until surface is 100% clean.	Very small consumption.	Depending on task. Until surface is 100% clean.
Packaging / Size	3,75 liter.	4 liter.	5 liter.



SOLVENTBASED

WATERBASED

SEALERS

Name	Sealer GP zysea003	Breez Sealer 201 BN201004	SealProof zysealpr003	SealMatte zysealm003
				
Water/solvent	SOLVENT	WATER	WATER	WATER
Product condition	Fast curing	Curing at elevating temp.	(Heatable) Postcuring	Heatable postcuring
Product	A very durable Sealer. Forms a protective shield on the mould or tool surface. Overcomes micro-porosity and restores a uniform surface extending the life of the release coating.	Our NON-VOC, waterbased alternative to Sealer GP. Can be applied with the unique Spraymop. Very durable and suitable in both epoxy & polyester productions.	Sealer for high porosities, wood, plugs, steel, carbon-graphite, aluminum and all types of composites. Increased solid content. Leaves a semi-matte surface.	Sealer to form a matte film on glossy mould. NOTE! Heatable postcuring at 100 °C. required.
Remarks	Curing time 30 min. 4 coats on composite moulds. Wipe-on/wipe-off.	Curing time 30 min. 4-5 coats on composite moulds. Wipe-on/wipe-off.	Can be sprayed and wiped on with cloth - no wiping off.	Use Spray-pistol with 0,3 mm. Nozzle! 3 coats: 2 coast vertical, 1 coat horizontal DO NOT OVER-APPLY.
Consumption	Approx. 130 sqm./liter	Approx. 130 sqm./liter	Approx. 130 sqm./liter. Less with spray-up.	Approx. 200 sqm./liter
Packaging / Size	3,75 Liter	4 liter	4 liter	2 liter & 4 liter.

PRIMERS

Name	CHEMLEASE MPP 2180 EZ	BREEZ MPP 2698W
		
Water/solvent	SOLVENT	WATER
Product condition	Very fast curing	Fast curing
Product	A primer is a perfect solution for giving a worn out tool surface new life. The primer leaves a tough and durable sealed film but does not have any release properties - therefore sealer and release agent are still needed.	The waterbased primer is our newest developed product. Very durable and unique properties. It leaves a strong, protective skin on mold surface and intends to lower the surface tension.
Remarks	Read MSDS for safety precautions. Get advices and training for correct application.	Gives more working time than solvent MPP2180. Same application methods. See PDS.
Consumption	Depending on surface quality. Can vary from 2-8 coats.	Depending on surface quality. Can vary from 2-8 coats.
Packaging / Size	0,93 kg.	3,76 liter.

SEE OUR WEBSITE FOR APPLICATION TOOLS:

SPRAYMOPS
TELESCOPE HANDLES & FRAMES
MICROFIBER PADS
WOODEN CHISELS
ANTI-SLIPPERY COVER-SHOES
COTTON CLOTHS
ETC.

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RELEASE AGENTS

Releases	Watershield zywat003	Enviroshield zyenv003	Silvershield 320 zysil003	BreeZ Nano Release Zynano004
				
Water/solvent	WATER	WATER	WATER	WATER
Product condition	Fast curing. 100% polymer. Non solvents.	Fast curing. 100% polymer. Non solvents.	Fast curing. 100% polymer. Non solvents.	Fast curing. 100% polymer. Non solvents.
Product	Very high slip. For productions with epoxy and no gelcoats. Comparable with Multi shield! No build-up. Multiple releases.	Medio High slip. For productions with epoxy and use of gelcoats. No build-up. Multiple releases.	To improve adhesion for sealant tape - simply apply on top of e.g. enviroshield - no wiping-off. Release effect like Composite shield!	Nano E.G.O polymer technology. Improves resin flow, and suitable across a wide range of molding compounds - suggested also for PU gelcoats.
Remarks	Curing time 30 min. Temperature and humidity can improve curing-cycles. Thermal stability up to 260 °C.	Curing time 30 min. Temperature and humidity can improve curing-cycles. Thermal stability up to 260 °C.	Curing time 15 min. No wiping off. To be applied after EVERY production on e.g. flanges and edges! Thermal stability up to 260 °C.	Curing time 30 min. Temperature and humidity can improve curing-cycles. Thermal stability up to 260 °C.
Consumption	Approx. 130-150 sqm./liter.	Approx. 130-150 sqm./liter.	Approx. 120 sqm./liter.	Approx. 130 sqm./liter.
Packaging / Size	4 liter & 19 lit. pail w. tap	4 liter & 19 pail w. tap.	2 liter & 4 liter	4 liter (16 liter/box)

RELEASE AGENTS

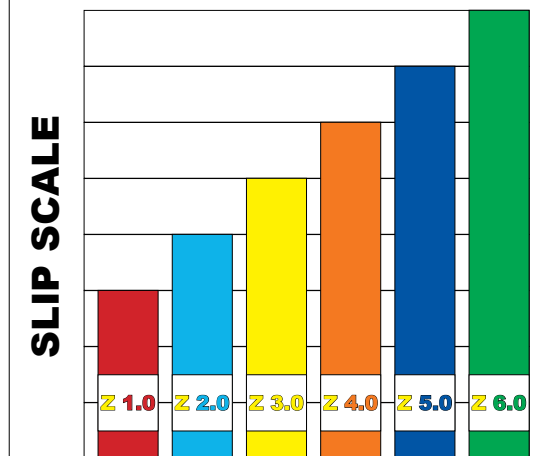
Releases	Aqua Slipcoat 506 BN506	Multishield zymul003 (no. 1)	Fiberglass Shield zyfib003 (no. 2)	Composite Shield zycom003 (no. 3)
				
Water/solvent	WATER	SOLVENT	SOLVENT	SOLVENT
Product condition	Fast curing.	Fast curing. High number of releases	Fast curing. High number of releases	Fast curing. High number of releases
Product	Combination of polymer and liquid wax. Highly flexible, easy-to-use waterbased release coat. Can withstand a high stress on mould surface, and suitable on moulds with a poor surface quality. Multiple releases (but less than a 100% polymer), cost-efficient.	Very high slip. Suitable for polyurethane. Comparable with WaterShield. No build-up. High number of releases.	High gloss, and high slip. No build-up. Multiple number of releases.	For parts with easy slip. Prevents pre-release. Medio release effect! No build-up. High number of releases.
Remarks	Curing time 30 min. Thermal stability up to 150 °C.	Curing time 30 min. Thermal stability up to 480 °C.	Curing time 30 min. Thermal stability up to 480 °C.	Curing time 30 min. Thermal stability up to 480 °C
Consumption	Approx. 70-80 sqm./liter.	Approx. 130 sqm./liter.	Approx. 130 sqm./liter.	Approx. 130 sqm./liter.
Packaging / Size	5 liter. (10 L/box)	3,75 liter (15 L/box)	3,75 liter (15 L/box)	3,75 liter (15 L/box)

RELEASE AGENTS

Releases	Flex-z System FZRLS(x)003
	
Water/solvent	"SAFE"-SOLVENT
Product condition	Fast curing, no smell, no HAPS, high number of releases
Product	System with 6 different release powers from 1-6! Allow moulders to apply the level of release performance needed throughout an entire mould. Suitable for all open and closed molding processes, from wet lay-up to RTM and Infusion. HAP-free to meet new emission restrictions. Can be applied by hand or spraygun - no wiping off.
Remarks	Curingtime 30 min.No smell, Odourless. Low VOC, no HAPS. Thermal stability up to 380 °C.
Consumption	Approx. 70-80 sqm./liter.
Packaging / Size	3,75 liter (15 L/box)

FlexZ

SLIPCOAT SYSTEM



Z 1.0 minimum slip to Z 6.0 extra slip
3,75 liter