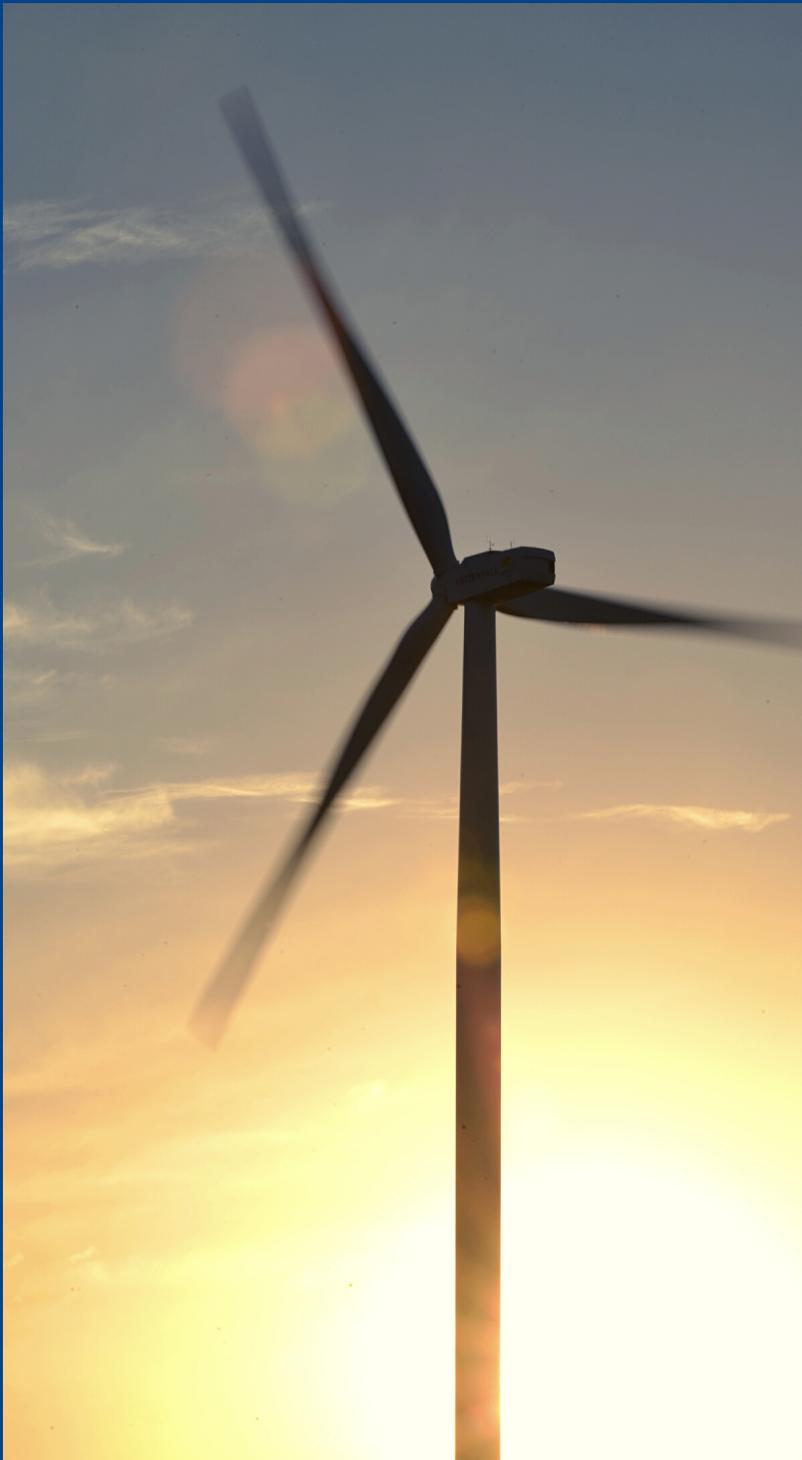


GREEN CHEMISTRY
TO GREEN ENERGY



GRANUDAN PRODUCT CHART

YOUR PARTNER & CONSULTANT IN MOLD RELEASE AGENTS



INDEX

01. About us

02. Cleaners

03. Sealers

04. Primers

05. Release agents

06. Application tools

07. Heating blankets for mold repairs

08. Abrasive discs for mold sanding

ABOUT US

Granudan is the exclusive supplier of innovative products and equipment for high advanced composites and various types of ordinary plastic moldings. We are a technical partner who designates the best suitable products with a practical approach.

Our mission is to continuously ensure an optimized mold maintenance program for our customers, thus ensuring the highest possible economic and time savings. We are experts in green solutions and our ambition is to ensure that green chemistry takes a greater place in several productions and industries - for the safety of the workers and our global environment.



02. CLEANERS



MOLD CLEANER

Solvent based

Extremely efficient solventbased cleaner for removal of waxes, Oils and other contaminations. High content of hazardeus materials. Contains Toluene! Only sold in EU.

1 liter



WATERCLEAN

Water-based

BreeZ Waterclean effectively removes everything! – both sealer, release agents etc. The product is ideal for preparing surfaces for painting or other processes that requires a totally clean surface

The product should be used with water and may not dry out on surfaces. We recommend using water for removal

4 liters



GR-08

Water-based

Effective and environmentally friendly. Good alternative o solvent cleaners. This water-based cleaner is an effective degreaser and removes surface contamination such as oil, wax, soap, and dust from sanding. It will not remove sealer but to some extend the release agents Water can/should be mixed to this product before usage.

5 liters



EPOXY & POLY CLEANER

Solvent based

Eco Epoxy Cleaner is delivered ready for use as a formulated cleaner in a 25 liter can. ECO Epoxy Cleaner is different from the use of Acetone and Methylene Chloride as it does not evaporate. It gives an effective advantage if you grease the tools with ECO EPOXY CLEANER and leave it on for a short time before wiping it off.

25 liters

03. SEALERS



BREEZ SEALER 2767W

Water-based

NEWEST DEVELOPMENT!
A combination of a primer and sealer! Designed to treat both the chemical and physical bonding sites found on every mould surface. The product delivers a durable film with superior abrasion resistance. When applied with appropriate semi-permanent release agent, this product provides multiple, effortless releases

5 liters



SEALER GP

Solvent based

Very popular solventbased Sealer. BreeZ Sealer GP overcomes micro-porosity and restores a uniform surface that enhance the performance of the release coating. For a water-based alternative we recommend BreeZ Sealer BN201

1 or 3,75 liters



SEALPROOF

Water-based

BreeZ Sealproof is a sealer for high porosities, wood, plugs, steel carbon graphite, aluminum, and all types of composites. The product leaves a semi-matte surface and gives a durable, strong, and visible film on both metal, polyester, and epoxy surfaces

4 liters



SEALER BN201

Water-based

Water-based alternative to Sealer GP. Developed for use with Zyvax water-based release agent. The product has some release power it self and leaves a tough, durable barrier. It is suitable on both epoxy, metal, and polyester mold surfaces.

4 liters

04. PRIMERS



BREEZ MPP 2698W

Water-based

BreeZ MPP 2698W leaves a tough and durable sealed film and overcomes micro-porosity porous surfaces. A primer gives refreshes life to a worn out surface.

The product has no release power and an appropriate sealer or release agent should be applied on top of the product after it has cured

3,76 kg



PRIMER MPP 712 EZ

Solvent based

Primer MPP 712 EZ is ideal for mold-build (e.g. pur foam) or refurbishment of old, worn mould surfaces. The product has a high viscosity and can bond to almost every surface. Highly reactive and quick curing

The surface needs to be 100 % clean before application of Primer MPP 712 EZ, and a sealer needs to be used afterwards

0,93 kg

05. RELEASE AGENTS



BREEZ RELEASE 2212W

Water-based

Water-based, semi-permanent release agent specifically formulated to meet the high performance requirements of the Wind Industry by providing consistent, effortless and multiple releases of composites parts. Easy to apply and environmentally preferred. Suitable for most new types of gelcoats (chemistries)

5 liters



WATERSHIELD

Water-based

Watershield is one of our most popular products. The product has an extremely high release power and is perfect for productions with epoxy and no gel coats. Watershield is to be used on molds where the molded parts are more difficult to demold

1, 4 or 19 liters



BREEZ RELEASE 707

Water-based

Our Release 707 provides minimal transfer of release agents, high-temperature stability, high abrasion resistance, and is capable of multiple releases. The product has a medium/low slip and is to be used in epoxy, polyester and vinylester productions

3,75 liters



AQUA SLIPCOAT 506

Water-based

Granudan Aqua Slipcoat 506 has a high release power. The product is a combination of polymer and synthetic waxes. The product has high durability on abrasive processes with rough materials and complicated moulds. Universal release for both polyesters, vinylester, and epoxy prod. Very price attractive and high-performing.

5 liters

05. RELEASE AGENTS



COMPOSITE SHIELD

Solvent based

BreeZ Composite Shield provides a moderate release power. Used for larger boat molds and for molds where you do not want too good release.

The product prevents pre-release and has a high number of releases

3,75 liters



MULTI-SHIELD

Solvent based

BreeZ Multi Shield has a very high slip, and a high number of releases. The product is comparable to Watershield. No buildup. Suitable for polyurethane

1 or 3,75 liters



FIBERGLASS SHIELD

Solvent based

Fiberglass Shield creates high gloss and has a high release power. Often used on small molds, artificial marble, and molds with low release effect and a wish for high gloss

3,75 liters



FLEX-Z SYSTEM

"safe"-solvent based

Flex-Z 1.0, 3.0, 4.0 and 6.0 is a unique release agent system with six different levels of release powers. The molder can easily switch and change release level for the specific parts. Only apply – do not wipe off. Can also be sprayed. These products are fast curing. Use just 2 coats of sealer GP when starting up a mold.

1 or 3,75 liters

06. APPLICATION TOOLS

With our tools you can work more efficiently, use same quantity at every application, and save both time and resources. Our application tools are used by leading Wind Blade Manufacturers for efficient application of release agents in productions.

Granudan offers global supply of spray mops, pads, cotton rags, wooden chisels, anti-slippery cover-shoes and telescope handles and frames for application of our water-based release concept. See total selection on our website: <https://granudan.dk/application-tools-equipment/>

Our selection of mops and equipment for mops:



TASKI VERSA PLUS MOP



TASKI VERSA PLUS BOTTLE



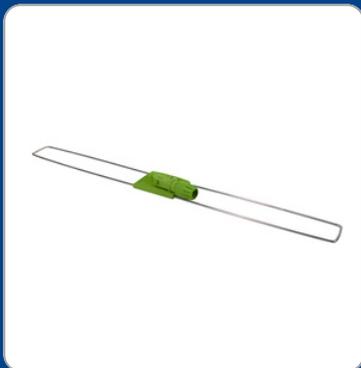
PUMPING SPRAY BOTTLE



**TASKI ULTRA PLUS MOP
FRAME**



**FIBERSCRAPER
FRAME**



TASKI MOP FRAME



NON-SLIP RUBBER SHOES



TELESCOPE HANDLE 3X2M



CN TELESCOPE HANDLE



CARBON FIBER HANDLE

06. APPLICATION TOOLS



FRAME/MOPHEAD 40 CM



**TASKI STANDARD PRO
DRY MOP PAD**



**TASKI STANDARD PRO
DAMP MOP PAD**



**CN STANDARD PRO DRY
MOP PAD**



**TASKI SUM MOP PAD
COTTON**



ACRYLIC MOP PAD



SPRAY GUN



**FINE-SPRAY GUN
W3 FZ-DUO**

07. HEATING BLANKETS

To speed up curing after mold repairs and support a faster and more reliable curing of our sealers and release agent. To achieve the right chemical performance and flow from resins our drum heaters is a perfect solution to reach perfect temperature before injection molding.

HEATING BLANKETS AND DRUM

In collaboration with Kuhlmann, we sell these insulated and uninsulated industrial heating blankets that are the optimal product when it comes to safely and effectively, having to heat elements to a specific temperature for up to 120°C.

DRUM HEATING

We also sell these Electro Heat drum heater which are perfect for drums where you want to keep the content at a consistent temperature, a certain viscosity or keeping the content from freezing.

We have a lot of insulated and uninsulated heating blankets and drum heating from Kuhlmann. Check our webpage: <https://granudan.dk/en/product-category/heating-blankets/>



08. ABRASIVE DISCS

For removal of hard resin build-up in mold surfaces, epoxy glue on edges/flanges and in general for tough and hard sanding.

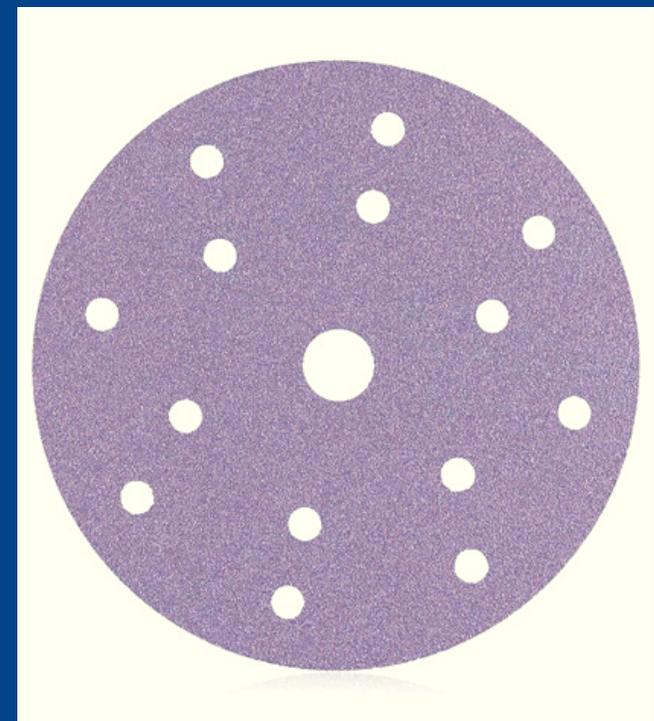
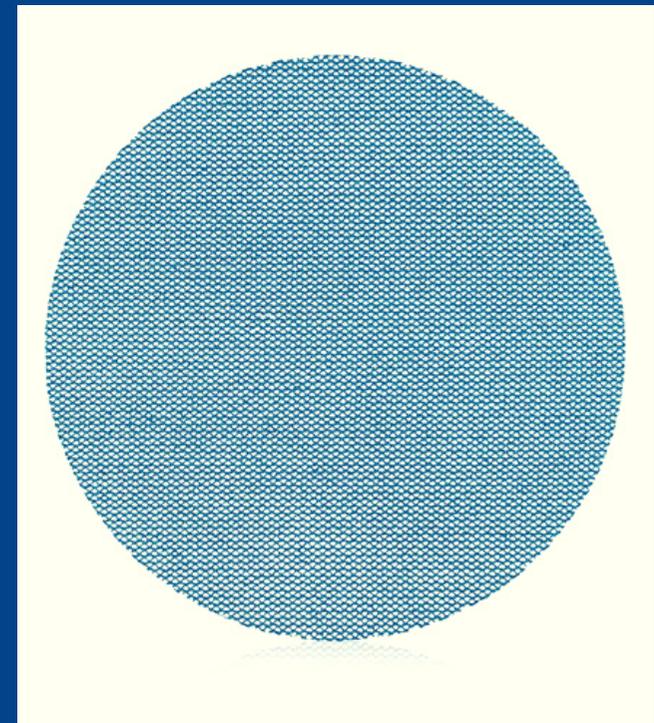
750 CERAMIC NET

The 750 Ceramic net is ideal for tough and more demanding applications, such as on hard wood and other solid surface materials. The net fabric structure permits maximum absorption of sanded particles, thus providing dust-free sanding with cleaner surfaces, and a much healthier working environment

740 CERAMIC NET

The 740 Ceramic grains provide long-lasting sharp edges, offering better finishing results on treated surfaces. The product is perfect for any type of material and eliminates the need for specialty products. 740 has high removal rates and the pattern contributes to a healthy and dust-free environment

We have a lot of different grit sizes, dimensions and products from Smirdex abrasives. Check our webpage: <https://granudan.dk/smir-dex-abrasive-discs/>



GRANUDAN



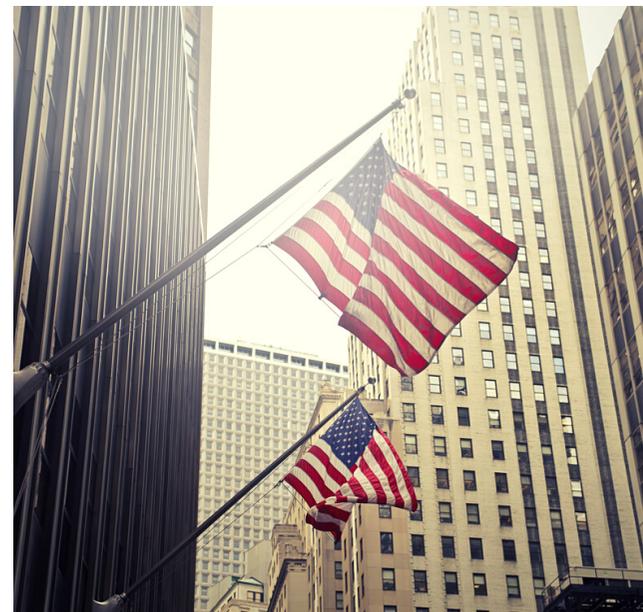
EUROPE

Granudan ApS
Knud Bro Allé 4
DK-3660 Stenløse
tel: +45 44 84 37 56
e-mail: sales@granudan.com



CHINA

Granudan China
Granudan Innovation Mould
surface Solutions (Shanghai)
Co.,Ltd
冠模丹表面技术（上海）有限公司



USA

Granudan Inc.
P.O. Box 60324
Colorado Springs, CO 80906
tel: +1 (719) 229 1981
e-mail: rhonda@granudan.com