

CLEAN

1 02.0020

Universal cleaning and degreasing agent



Specifications:

- Unique degreasing and cleaning capability
- Strong enough product flow during application
- Dries quickly, leaving pleasant odour
- Does not make any harm to plastic materials, lacquered surface, rubber or polystyrene
- Universal valve

Advantages:

- After the application, the surface stays 100% clean, without mechanical residue
- Recommended for use before gluing, cementing, lacquering, etc.
- Safe for use in all industrial branches
- Allows application in any work position

Applications:

CLEAN is a top quality cleaning and degreasing agent, able to remove grease and dirt. It is intended for preparation component surfaces before gluing, cementing, lacquering and other finish operations, before application of various repair agents or systems, etc. Besides excellent degreasing capacity, the product is an ideal agent to be applied on lacquered areas, all types of plastic, and rubber. It does not damage sensitive materials, so you can apply it even on foam plastic and polystyrene.

Order codes:

Name	Storage code	Package	Order number
Clean	CLN	12x 500ml - spray	1 02.0020
Clean - 5l	CLN5L	5l - canister	1 02.0021
Clean - 10l	CLN10L	10l - canister	1 02.0022
Clean - 30l	CLN30L	30l - canister	1 02.0023
Clean - 200l	CLN200L	200l - barrel	1 02.0025

Instructions for use:

1. Before any application, shake the vessel first.
2. Apply the CLEANER at reasonable layer onto the surface to be cleaned.
3. Allow the product volatilize, or wipe it out with clean cloth or paper towel.
4. In case of heavy dirt, repeat the procedure.

ONLY FOR PROFESSIONAL AND INDUSTRIAL USE!

Health and Safety:

Please read our Material Safety Data Sheet.

Declaration:

The information and recommendations in this publication are to the best of our knowledge reliable. However nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

Address:

Stimer, s.r.o., Prazska No. 1279/18, 102 00 Praha, Czech Republic; tel./fax: +420 267 219 373; e-mail: stimer@stimer.cz, www.stimer.cz

CLEANER 600

1 04.6000

Universal cleaning and degreasing agent



Specifications:

- Unique degreasing and cleaning capability
- Strong enough product flow during application
- Dries quickly, leaving pleasant odour
- Does not make any harm to plastic materials, lacquered surface, rubber or polystyrene
- Universal valve

Advantages:

- After the application, the surface stays 100% clean, without mechanical residue
- Recommended for use before gluing, cementing, lacquering, etc.
- Safe for use in all industrial branches
- Allows application in any work position

Applications:

Assembly and disassembly work Cleaning friction clutches, brakes, etc. Designed also for degreasing carburettors and oiled components, etc. Preparation of component surface before gluing and lacquering Required before application of glue, cement and other repairing materials RETECH. Product CLEANER 600 is recommended for metal, ceramics and plastic materials (CAUTION! The product may damage certain types of plastic).

Order codes:

Name	Storage code	Package	Order number
Cleaner 600	CLR	12x 600ml - spray	1 04.6000

Instructions for use:

1. Before any application, shake the vessel first.
2. Apply the CLEANER 600 at reasonable layer onto the surface to be cleaned.
3. Allow the product volatilize, or wipe it out with clean cloth or paper towel.
4. In case of heavy dirt, repeat the procedure.

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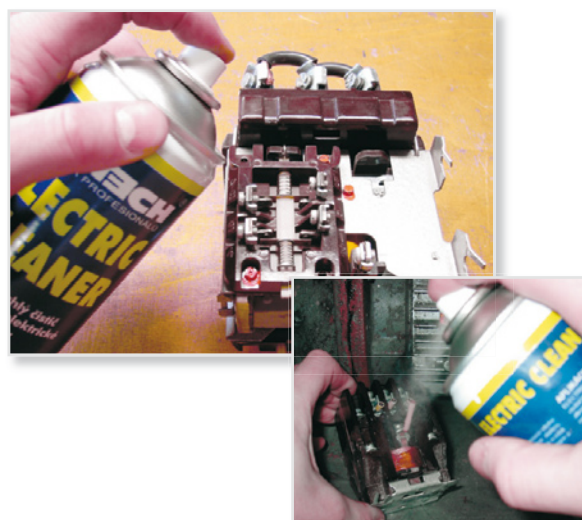
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ELECTRIC CLEANER

R 34422

Quick cleaning agent for any electric system



Specifications:

- Extremely efficient
- Forms fine, dry, conducting film
- Preventive protection against humidity
- Does not contain any aggressive substances

Advantages:

- Disintegrates oxidized layers, removes dirt and dust
- Provides permanent protection of the material against oxidizing process
- Improves the function of the electric parts and contacts
- Does not make any harm to lacquered or plastic parts

Applications:

The ELECTRIC CLEANER, due to the unique recipe, presents an everyday means in order to make work easier and achieve better quality. The product does not cause any harm to metal, but - on the contrary - protects metal surface against corrosion. When applied, the product disintegrates the rust, removes moisture and forms a protective film. Due to the film, long-time protection is provided against aggressive environment, humidity or oxidising process. The product does not mean any danger to rubber, plastic or other materials.

To be used with electric contacts, switches, relays, etc.

Order codes:

Name	Storage code	Package	Order number
Electric Cleaner	REC	12x 500ml - spray	R 34422

Instructions for use:

1. Before any application, shake the vessel first.
2. Disconnect the electric device from the power.
3. Apply the ELECTRIC CLEANER at reasonable layer onto the surface to be cleaned.
4. Allow the product penetrate for some 2-3 minutes.
5. If needed, dry the point with pressure air.
6. Connect the electric device to the power.

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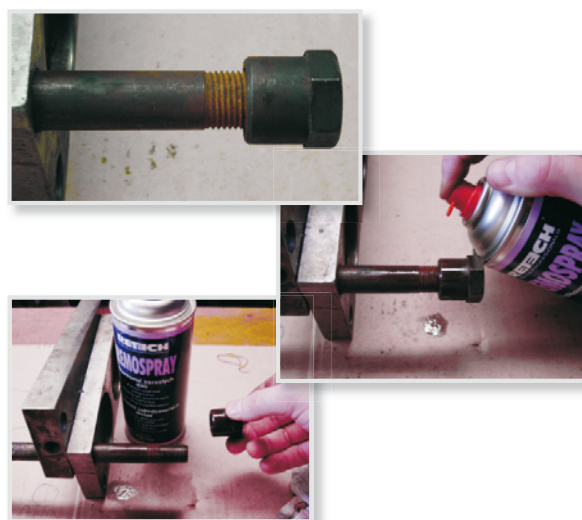
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REMOSPRAY

1 04.1200

Agent for loosening rusty joints



Specifications:

- Contains molybdenum disulphide
- Efficient penetration
- No vaporization
- Good anti-corrosion protection
- Top mechanical resistance

Advantages:

- Perfect lubricant for joined parts
- Good to use onto rusty and stuck joints
- Guarantee of permanent and fine lubrication
- Permanent and preventive protection to metal surface
- Reduced worn and torn of the components when used

Applications:

The REMOSPRAY, due to the universal functions, presents an everyday means in order to make work easier and achieve better quality. It shows outstanding penetrability, while able to grease even fine capillary slots. The product does not cause any harm to metal, but - on the contrary - protects metal surface against corrosion. When applied onto corroded joints, it penetrates the joint, disintegrates the rust, and greases the joint from inside. The product contains molybdenum disulphide, which provides top mechanical resistance and reduces torn and worn of the components.

Order codes:

Name	Storage code	Package	Order number
Remospray	RES	12x 400 ml - spray	1 04.1200
Remospray - 5l	RES5L	5l - canister	1 04.1201
Remospray - 10l	RES10L	10l - canister	1 04.1202
Remospray - 25l	RES25L	25l - canister	1 04.1203

Instructions for use:

1. Before any application, shake the vessel first.
2. Apply the REMOSPRAY onto the joint to be loosened.
3. Allow the product penetration (for some 1 - 5 minutes).
4. By pulling the joint in the direction of locking, you loose the joint then. Go on by unscrewing it.
5. Repeat the procedure if needed.

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TOP CUT

1 02.0048

Specific, biologically degradable oil



Specifications:

- Top quality
- Excellent greasing capability
- Resistant to high temperature and pressure
- Aerosol substance
- Biologically degradable

Advantages:

- Makes tools lifespan longer
- Allows higher surface speed. Considerably improves surface machined
- Reduces cutting force Allows machining even most complex materials
- Easy to apply
- Environment friendly

Applications:

The TOP CUT was designed for wide scope of use in industry and repair shops. Due to the mobility, it is suitable for manual machining as well. Usable at machining all standard materials (steel, cast iron, stainless steel, copper, aluminium and alloys).

Frequently used as follows: drilling, boring, lath-machining, milling, thread cutting, all types of manual machining. The TOP CUT does not contain mineral oil, chlorine, barium, lead, chrome, cadmium or PCB.

Order codes:

Name	Storage code	Package	Order number
Top Cut	CUT	12x 400ml - spray	1 02.0048
Top Cut - 5l	CUT5L	5l - canister	1 02.0049
Top Cut - 10l	CUT10L	10l - canister	1 02.0050
Top Cut - 25l	CUT25L	25l - canister	1 02.0051
Top Cut - 200l	CUT200L	200l - barrel	1 02.0052

Instructions for use:

1. Before any application, shake the vessel first.
2. Apply the TOP CUT onto the cutting tool or the surface to be machined.
3. In case of more complex machining operation, you can apply the product in intervals, in the course of the machining process.

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TECHNICAL DATA SHEET

PRODUCT

TECHNOBOND is MS Polymer based adhesive with a higher green strength and higher tensile strength and is suitable for making elastic constructive joints. **TECHNOBOND** can also be used as sealant, if similar material (similar stiffnesses) are joined together or if mechanical fastening methods are used.

APPLICATIONS

- Elastic bondings and sealings in e.g. bus-, caravan-, camper and truck construction.
- Bonding of roofs on busses, caravans-, campers and trucks.
- Bonding of corner profiles of aluminium or polyester on trailers.
- Bonding of polyester parts on metal frames.
- Bonding of floor systems.

FEATURES

- Solvent-, isocyanate- and PVC free.
- Very good UV-resistance and ageing properties.
- In general good adhesion on several substrates without the use of a primer.
- Permanent elastic within temperatures from -40°C till $+120^{\circ}\text{C}$.
- Neutral, odourless and fast curing.
- Paint compatible with most industrial paint- or lacquer systems, both alkyd resin and dispersion based (due to the large scale of different types of industrial paints a paint compatibility test is recommended)
- Paintable after skin forming (wet on wet); this will not influence the curing speed.

ADHESION

In general **TECHNOBOND** adheres well without primer on clean, dry, dust- and grease free substrates of aluminium, stainless steel, galvanised steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and teflon. In those cases where due to great thermal or physical loads, especially under wet conditions, high adhesion demands are needed, the use of **RETECH CLEAN** is recommended. **RETECH CLEAN** degreases and prepares the surface of the substrate in one step. For more details concerning **RETECH CLEAN** consult the specific technical information data sheet.

METHOD OF USE

TECHNOBOND can easily be extruded with a hand- or air pressure gun at temperatures between $+5^{\circ}\text{C}$ and 35°C . In sealing applications **TECHNOBOND** should be tooled or smoothened within 10 minutes (at $20^{\circ}\text{C}/50\%\text{R.H.}$) with a spatula or putty knife, occasionally moistened with a soap solution. Avoid soap solution penetrating between joint sides and sealant, because this will create loss of adhesion.

In bonding applications the substrates have to be assembled within 20 minutes (at $20^{\circ}\text{C}/50\%\text{R.H.}$) after applying **TECHNOBOND**. The higher the temperature, the shorter the open time will be! In general an adhesive thickness of 2 mm is recommended if similar materials (similar stiffnesses) are bonded. The larger the difference in thermal expansion is, the thicker the adhesive bead should be.

At a temperature of 20°C and a relative humidity of 50% **TECHNOBOND** can be painted with the most industrial paints already 10 minutes after application. Best adhesion of paint coats is generally obtained if painted within 4 hours after applying **TECHNOBOND**. Cleaning tools or removing uncured residue of **TECHNOBOND** can be done with a clean colourless cloth, wetted with a cleaning agent. It is recommended to make a trial first to check possible attack of the substrate by these cleaners.

TECHNICAL DATA SHEET

TECHNICAL DATA

Basic material:
Curing method:
Specific gravity:
Skin forming time (20°C/50% R.H.):
Open time (20°C/50%R.H.):
Curing speed after 24 hrs (20°C/50%R.H.):
Shore A hardness (DIN 53505):
Volume change (DIN 52451):

TECHNOBOND

MS Polymer
moisture
ca. 1.5 g/ml
ca. 10 min.
< 20 min.
ca. 3 mm
ca. 60
< 3%

Tensile stress (100%) (DIN 53504/ISO 37): ca. 2.7 MPa
Tensile stress at break (DIN 53504/ISO 37): ca. 3.5 MPa
Elongation at break (DIN 53504/ISO 37): ca. 200%
Shear stress (DIN 53283/ASTM D1002): ca. 3.0 MPa
(Alu-Alu; adh. thickness 2mm, test speed 50mm/min.)
Tear propagation (DIN 53515/ISO 34): ca. 17 N/mm
(Type C, test speed 500mm/min.)
E-Modulus(10%) (DIN 53504/ISO 37): ca. 4.8 MPa

Solvent percentage: 0%
Isocyanate percentage: 0%
Temperature resistance: - 40°C till +120°C
Temperature resistance (max. 20 minutes): +180°C
Application temperature: +5°C till +35°C
UV- and weather resistance: excellent
Colours (standard): white, black
Packaging: 290ml cartridges, 600ml bags,
other packaging on request.

STORAGE STABILITY

TECHNOBOND may be stored for 12 months in a closed (unopened) container or bag in a dry place at temperatures between + 5°C and +30°C (cartridges 18 months).

SAFETY PRECAUTIONS

No specific safety precautions required. Consult safety data sheet.

TRANSPORT CLASSIFICATION

Not applicable.

[illegible]

Gaskets, repair of damaged rubber parts, sealing of pumps, crankcases, gear boxes, valve caps, oil tanks, threaded joints, air pipings, insulation of most varied components, etc.