

SAFETY INSTRUCTIONS

The access to every space and service of the Laboratorio Modelli per l'Architettura (LMA) has to be authorized by the LMA staff, in particular for the use of the work stations inside the “Aula 2”. These are dedicated to the assembly and all that concern the realization of a physical model, and they can be occupied only after the compilation of the booking form (available on the work stations and in the laboratory) for a span of five days in a row at most.

DUTIES

- a. Can access to the areas and the services of LMA whom is covered by the following insurance policy: Polizza di responsabilità civile and Polizza infortuni cumulative or Polizza infortuni ad adesione volontaria. Further details are available at <https://www.unifi.it/vp-4165-assicurazioni.html>. From now on, everyone with this requirement will be referred as *user*.
- b. To access the Aula 2 or the area “ex-segreteria studenti”, or rather all the areas dedicated to the manufacturing of LMA, the *users* are asked to read and follow the instructions and rules of this document and its attachments.
- c. Still is forbidden (unless after an explicit authorization from the LMA staff) the access to the areas containing the laser cutting machines, the mechanical cutting machine, the 3D printers, dangerous machines and the storage. These areas are indicated in red on the plan (Attachment 1).
- d. Anyhow, the access to the areas of LMA is limited to the span for the realization of the physical model. At the end of it, the *user* will have to clear his work station. If some material will be left on it after the period arranged, this will be removed by the staff of LMA. In any case, the work stations cannot be used as a study place or as a permanent deposit. The Aula 2 can be booked (all of it or just a portion) for workshops or seminars by professors of Dida, directly at LMA, even for a period longer than 5 days (after an authorization of the Scientific Director of LMA).
- e. The *users* will be allowed to use the tools of LMA only after reading the handbooks available in the laboratory and they will have to conform strictly the instructions described. By borrowing a tool from LMA the *user* declare that he has read and understood the rules displayed here and in the handbook provided. All the tools of LMA, with the exception of specific agreement with the Scientific Director of LMA, have to be handed back to the laboratory when leaving the work station unattended. The *user* is responsible for the borrowed tools during their usage or for all of the booking period even if the tool is not being used.

- f. While using the LMA tools, the *users* have to employ both the specific protection system already on the machine, and the items from the personal protection equipment (such as the micropore filter mask or goggles) if required on the machine's instructions manual. The *users* have to utilize the given equipment with extreme care and it is absolutely forbidden to temper or alter the tools in any possible way. In any case, removing the safety protections of the machines is not allowed and the users have to immediately inform the staff of LMA in case of any malfunction or breakdown.
- g. The users have to be dressed coherently with the functions of the laboratory. In particular, the users are asked to pay extreme attention to shoes, loose clothes or clothes with laces, necklaces or long hair (that will have to be tied back during the use of the tools). The LMA staff can decide to deny the access to the areas of LMA. If the use of an item from the Personal Protection Equipment (PPE), this can be asked to the LMA staff. In the laboratory, eating is forbidden.
- h. If any publicity will be made to the compositions realized inside the LMA or made with the aid and the coordination of its staff (i.e. thesis project, exhibitions, contest, research project or any kind of publication) it is mandatory to place on each composition the following quote:

Modello realizzato dal

LABORATORIO MODELLI PER L'ARCHITETTURA

Modello realizzato da (nome e cognome del personale che ha partecipato alla
progettazione ed esecuzione del modello)

DIDA Dipartimento di Architettura - Università degli Studi di Firenze

Or

Modello realizzato presso il

LABORATORIO MODELLI PER L'ARCHITETTURA

DIDA Dipartimento di Architettura - Università degli Studi di Firenze

PROHIBITIONS

- i. It is forbidden to disconnect or remove the safety equipment of the machines or operate any kind of maintenance, substitution of parts or tools.
- j. Anyhow it is always strictly forbidden to use the machines if the safety equipment has been removed or disconnected.
- k. It is forbidden to take out of the areas of the LMA any kind of equipment or tools belonging to LMA without the authorization of its staff.
- l. It is forbidden to use a spray-bottled glue or spray-paint and other chemical products inside the areas of LMA, without the authorization of the LMA staff.
- m. It is forbidden to introduce and utilize inside the areas of LMA any kind of highly inflammable material such as solvent or paint without the explicit authorization of the LMA staff.
- n. It is forbidden to introduce and utilize in the LMA areas materials, electrical or mechanical tools that might be dangerous, without the explicit authorization of the LMA staff. This prohibition comprehends extension cable and multiple plugs. It is excluded the Aula 2 where the electricity grid can be used as power source of *users'* equipment, such as laptop or similar (but still is forbidden the use of extension cable and multiple plugs).
- o. It is forbidden to damage in any way the areas or the furniture of LMA.

IN CASE OF INJURIES

- p. In case of injury, small entity-wound or sudden illness the *user* has to inform immediately the LMA staff that will provide, if possible, a first aid or will require the intervention of the emergency ward.
- q. In case of bloody wounds, even small ones, the *user* without a tetanus vaccine has to inform the LMA staff and will have to reach an emergency ward for a medical check and, if necessary, an anti-tetanus treatment.
- r. If the *user*, injured inside one of the LMA areas, would reach an emergency ward only afterwards, or if he will need medical treatments for that injure, he will have to inform the LMA staff as soon as possible, and provide the documents released by the hospital within 24 hours. This will allow the Administrative Director of Dida to file the necessary notification to INAIL and the authority for public security.

RULES FOR THE USE OF ELECTRICAL TOOLS

The term „power tool“ in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool, also machines and electric units. Only use the power tool for the purpose for which it was intended, with the due attention to the general safety and accident prevention regulations.

s. Work area

1. **Keep work area clean, tidy and well lit.** Cluttered and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

t. Electrical safety

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed or grounded surface such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **If it is not possible to avoid using the appliance in a humid environment, use a safety switch.** Use of a safety switch reduces the risk of an electric shock.

u. Personal safety

7. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
8. **Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non- skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
9. **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents. Never bridge the switch.
10. **Remove any adjusting key or wrench before turning the power tool on.**
A wrench or a key left attached to a rotating part of the power tool may result in personal injury. Always keep your hands away from moving (rotating) parts.
11. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
12. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
13. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.

v. Power tool use and care

14. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
15. **Do not use the power tool if the switch does not turn it on and off correctly.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
16. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
17. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**
Power tools are dangerous in the hands of untrained users.



Laboratorio **Modelli per l'Architettura**

18. **Maintain power tools carefully. Check for misalignment or binding of moving parts, breakage or damage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired by a qualified expert before use.** Many accidents are caused by poorly maintained power tools.
19. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
20. **Use the power tool, optional accessories, tools for each specification, etc. Always following these instructions.** In doing so, always keep in mind the working conditions and the operations to be performed. Use of power tools for uses other than those permitted.



DELTA SHAPED SANDER

Usage field:

Dry sanding and polishing of wooden surfaces, plastic materials, metal, plastered surfaces and painted surfaces. Suitable especially for angular shape or for poorly reachable spots.

Characteristics:

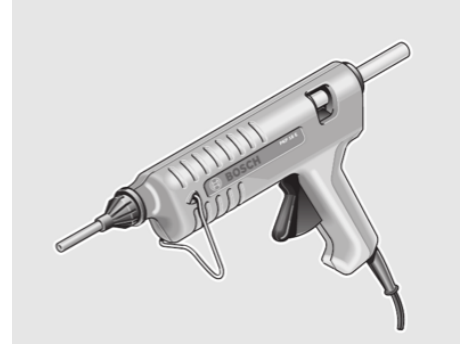
For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- Use acoustic protection;
- Wear goggle and micropore filter mask;
- Do not place your hands near the moving parts;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the tape or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Do not apply an excessive pressure on the tool.



Hot-glue Gun:

Usage field:

The hot-glue gun is suitable for swiftly gluing clean, dry and grease-free materials with steaming fusion glue.

Characteristics:

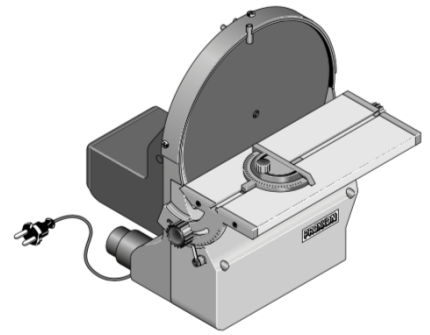
For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

- For the correct use of the tool, see the handbook provided with the electrical tool.
- Check the potential difference of the power grid! The potential difference must correspond to the guidelines on the label of the hot-glue gun. The hot-glue gun with the indication of 230 V can also work at 220 V.
- To turn on the hot-glue gun insert the plug in the socket.
- Before starting let the hot-glue gun warm up for about 7 minutes using the support bracket.
- To turn off the hot-glue gun extract the plug from the socket.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- Protect people and animals from the hot glue and from the tip of the nozzle. The glue and the tip of the nozzle can reach the temperature of 200° C, there might be a burn risk;
- In case of long pauses from the usage extract the plug from the socket;
- To clean the spot to be glued do not use inflammable solvents;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach or malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it.



DISC SANDER

Usage field:

Sanding of long edges, end sections, radii, miters or accurate flat surfaces at right angles on materials as wood (both soft and hard), plates, non-ferrous metals or steel, even plastic, cork and rubber.

Characteristics:

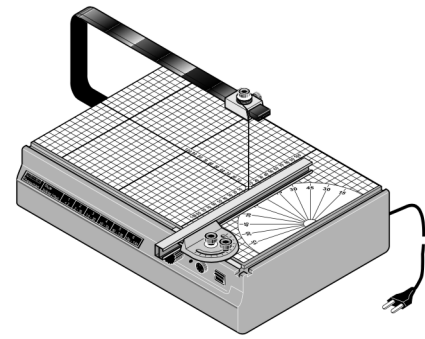
For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- Wear goggle and micropore filter mask;
- Do not place your hands near the moving parts;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the tape or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Keep hair, clothes and gloves away from the moving parts. Loos clothes, jewelry or long hair may get stuck in the moving parts;
- It is better to sand using the left half of the disc;
- Always connect the sander to the provided aspirator;
- Do not apply an excessive pressure on the tool.



THERMOCUT

Usage field:

Cut of rigid Styrofoam.

Characteristics:

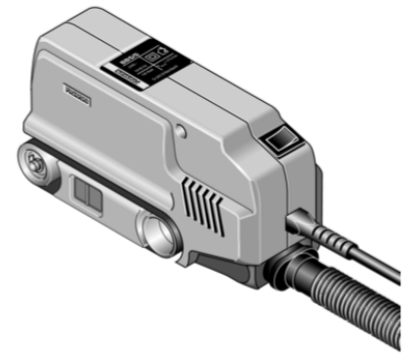
For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- While working make sure that the room is a well ventilated;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the wire or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Do not touch the wire with your hands, danger of burn;
- Do not activate the tool near curtains and/or other inflammable materials;
- Do not apply an excessive pressure on the tool.



BLOCK BLET GRINDER

Usage field:

Dry sanding and polishing of wooden surfaces, plastic materials, metal, plastered surfaces and painted surfaces. Suitable also for de-burring, roughing, fine grinding, edging, paint-stripping, rust removal and tools sharpening.

Characteristics:

For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- While working make sure that the room is a well ventilated;
- Wear goggle and micropore filter mask;
- Do not place your hands near the moving parts;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the tape or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Keep hair, clothes and gloves away from the moving parts. Loos clothes, jewelry or long hair may get stuck in the moving parts;
- Do not apply an excessive pressure on the tool.



BAND GRINDER

Usage field:

Dry sanding and polishing of wooden surfaces, plastic materials, metal, plastered surfaces and painted surfaces.

Characteristics:

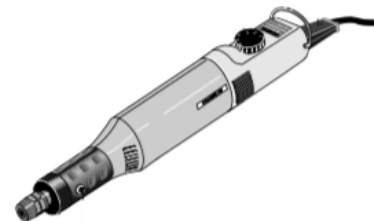
For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- While working make sure that the room is a well ventilated;
- Wear goggles and micropore filter mask;
- Do not place your hands near the moving parts;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the tape or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Keep hair, clothes and gloves away from the moving parts. Loose clothes, jewelry or long hair may get stuck in the moving parts;
- Do not apply an excessive pressure on the tool.



DRILLING AND MILLING GRINDER

Usage field:

Precise drilling, milling, grinding, polishing, brushing, rust removal, engraving, chasing and cutting. Can be used on steel, non-ferrous metal, glass, wood, minerals and ceramic.

Characteristics:

For the characteristics of the tool, see the handbook provided with the electrical tool.

Instructions for the usage:

For the correct use of the tool, see the handbook provided with the electrical tool.

Safety rules and PPE:

- Read the RULES FOR THE USAGE OF ELECTRICAL TOOLS of this guideline document;
- While working make sure that the room is a well ventilated;
- Wear goggle and micropore filter mask;
- Do not place your hands near the moving parts;
- Do not press the locking knob while the machine is running;
- Do not remove or modify the safety and protection items;
- Do not operate any kind of maintenance;
- In case of breach of the tape or the plate or any other malfunction, immediately turn off the tool and call the LMA staff;
- Do not use the tools in the presence of water or high humidity;
- Do not leave the turned on tool unattended;
- Keep the work station clean;
- Keep the tool away from the clothes;
- Keep the tool away from other people while using it;
- Keep hair, clothes and gloves away from the moving parts. Loos clothes, jewelry or long hair may get stuck in the moving parts;
- If the tool is warmed up turn it off and let it cool down for a few minutes;
- Do not apply an excessive pressure on the tool.

VINYL GLUE

Usage field:

To glue: woodboard, cardboard, wood, paper, canvas, cork, plastic boards and porous materials in general.

Characteristics:

- Components: Vinyl acetate polymer and water
- Specific gravity: 1,1 g/cm³
- Brookfield viscosity: 12.000 ± 3.000 mPa.s
- Dry substance: 52 ± 1%
- pH: 4,5 ± 0,5
- Open time: 6 minutes
- Cure time: initial 15/30 minutes; final 24 hours
- Filming lower temperature: +5°C
- Maintenance: keep away from cold
- Storage and utilize at a temperature over +10°C
- Shelf life: the product, if well maintained, is stable for one year.
- Notes of hazard: None

Instructions for the usage:

Clean the surfaces to be glued from dust or grease, apply a layer of glue of about 0.5 mm on one of the two sides (for harder gluing apply on both sides). The application can be made by using a brush or a spatula. The product can be used pure or diluted if necessary.

Warning:

Keep away from the reach of children. If ingested immediately consult a doctor and show him the bottle or the label.

COLLACRYL K450



Usage field:

Suitable for PMMA methacrylate sheets, PS, SBC, ABS, CAB; for other material it is better to try on a test first.

Characteristics:

- Components: Special solvents and polymer resin-based product
- Specific gravity: unknown
- Brookfield viscosity: 900 ± 1.200 mPa.s
- Density: 1,12 g/cm³
- Maximum dilution with K 400:10%
- Tensile strength: 30-35 MPa
- Setting time casted: 60-90 sec
- Setting time extruded: 30-45 sec
- Processing time: 3 hours

Instructions for the usage:

Preventively clean the two parts to be glued by using a detergent. The joint area can be roughened with sand paper (320-400 grain) to help and optimize the adhesion.

Position the pieces to join and apply the glue with a dispenser or with a disposable syringe after waiting the necessary span to eliminate the air included.

Apply a slight pressure for a few minutes to consolidate the bond; avoid excessive pressure and subsequent release for possible inclusion of air and retreats. Excessive pressure may cause cracks on the bonded parts. The formation of air bubbles and retreats may depend on an inadequate wetting of the surfaces of the joint.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place.

COLLACRYL K90



Usage field:

Suitable for PMMA methacrylate sheets, PS, SBC, ABS, CAB; for other material it is better to try on a test first.

Characteristics:

- Components: Special solvents and polymer resin-based product
- Specific gravity: unknown
- Brookfield viscosity: 0.8 ± 1 mPa.s
- Density: 1,30 g/cm³
- Tensile strength: 30-35 MPa
- Setting time casted: 5-10 sec
- Setting time extruded: 0-5 sec
- Processing time: 3 hours

Instructions for the usage:

Preventively clean the two parts to be glued by using a detergent. The joint area can be roughened with sand paper (320-400 grain) to help and optimize the adhesion.

Position the pieces to join and apply the glue with a dispenser or with a disposable syringe after waiting the necessary span to eliminate the air included.

Apply a slight pressure for a few minutes to consolidate the bond; avoid excessive pressure and subsequent release for possible inclusion of air and retreats. Excessive pressure may cause cracks on the bonded parts. The formation of air bubbles and retreats may depend on an inadequate wetting of the surfaces of the joint.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place.

COLLACRYL K25



Usage field:

Suitable for PMMA methacrylate sheets, PS, SBC, ABS, CAB; for other material it is better to try on a test first.

Characteristics:

- Components: Special solvents and polymer resin-based product
- Specific gravity: unknown
- Brookfield viscosity: 900 ± 1.200 mPa.s
- Density: $1,22$ g/cm³
- Tensile strength: 24-26 MPa
- Setting time casted: 20-30 sec
- Setting time extruded: 10-15 sec
- Processing time: 3 hours

Instructions for the usage:

Preventively clean the two parts to be glued by using a detergent. The joint area can be roughened with sand paper (320-400 grain) to help and optimize the adhesion.

Position the pieces to join and apply the glue with a dispenser or with a disposable syringe after waiting the necessary span to eliminate the air included.

Apply a slight pressure for a few minutes to consolidate the bond; avoid excessive pressure and subsequent release for possible inclusion of air and retreats. Excessive pressure may cause cracks on the bonded parts. The formation of air bubbles and retreats may depend on an inadequate wetting of the surfaces of the joint.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place

ACRYGLASS DCL80



Usage field:

Suitable to clean silicone substances, polish, grease and dirt in general without leaving residual, to obtain a surface to be glued or painted.

Remove residuals of sealants, glue or mastic not yet hardened.

Do not remove or damage 2K-painted products.

Suitable for 1K-painted products carrying out a light cleaning.

If applied on a Plexiglass™ board allow to clean without rings or stains and without creating an electrostatic charge.

Characteristics:

- See safety data sheet available in the laboratory.

Instructions for the usage:

Clean the surfaces and possibly dry them with a rag that does not release polluting substances.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid

BOSTIK SALDA RAPIDO MIXER



Usage field:

Rapid and transparent bicomponent epoxy adhesive. Suitable for pottery, porcelain, glass, leather, wood, stone, metal, ceramics. Gluing for identical materials and different ones. Not suitable for Polyethylene (PE), Polypropylene (PP), PTFE and silicon rubber.

Characteristics:

- Chemical base: Resin: epoxy resin, Hardener: modified starch.
- Color: Transparent
- Viscosity: about 0 mPa.s., Liquid
- Dry residual: about 100%
- Density: about 6 g/cm³

Instructions for the usage:

Squeeze an equal quantity of both components in the provided mixing container. Combine thoroughly with the synthetic spatula. Apply the obtained blend that will be still mixable for 5 minutes at room temperature (+20°C), forming a thin layer on one of the two materials. Assembly the two materials and keep firmly in the position for 20 minutes. Pay attention not to move the parts before the complete polymerization of the adhesive.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place.
- May cause an allergic reaction.

BOSTIK PLASTICA RIGIDA



Usage field:

Strong and high-quality glue to repair several plastic objects (for domestic use). Suitable for ABS, acrylic glass (Perspex®, Plexiglas®), polycarbonate (Lexan®) and rigid PVC.

Characteristics:

- Chemical base: PVC solution in a solvents blend.
- Color: Without color
- Viscosity: about 600 mPa.s., Liquid
- Dry residual: about 21%
- Density: about 0,91 g/cm³

Instructions for the usage:

Spread a thin layer on one of the surfaces. Fix it immediately applying a hard pressure or pushing the whole surface. Keep the pieces still for about 3 hours.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place.
- May cause an allergic reaction.

GLUTOLIN HS

Usage field:

Glue for expanded polystyrene.

Characteristics:

- See safety data sheet available in the laboratory.

Instructions for the usage:

Apply a thin layer with a serrated spatula, apply the panel and press uniformly, the complete dry up takes 1 or 2 days.

Warning:

- Keep away from the reach of children.
- People with hypersensitivity and/or with respiratory and skin allergies should avoid this work.
- Do not eat, drink or smoke on the workplace. Avoid the contact with eyes and skin.
- Provide a proper ventilation on the working place.
- May cause an allergic reaction.

THIS DOCUMENT IS AVAILABLE IN THE CLASSROOM 2, IN THE MODEL LABORATORY AND ON THE SITE:

<https://www.dida.unifi.it/vp-656-architectural-modelling-laboratory.html>

The list of instruments and related user manuals is available at the link:

<http://cloud.dida.unifi.it:8080/sharing/HEIkvDNkk>

The safety data sheets of glues and chemical products available to students for the assembly and finishing of the models is available at the link:

<http://cloud.dida.unifi.it:8080/sharing/fZxaMk20b>