

TECHNICAL DATA SHEET



COLA PLASTIK PU

DESCRIPTION

Solvent-based polyurethane adhesive specially designed for professional use, mainly intended for the footwear and leather goods industry. It has an excellent initial tack, long open time and develops excellent initial and final strength, so it is mainly used in the lining and bonding processes. Given its properties can be used to join all kinds of skins, saws, fabrics ...

TECHNICAL DATA

Polymer base:	Polyurethane.
Solvent	Ketones mixture
Viscosity	4500±300 cps. (Brookfield LVT sp.nº3 at 25° C).
Solid content	18±1 %.
Application:	Brush or roller.

APPLICATION

The materials to be bonded must be clean and dry. Brush or roll a uniform layer of adhesive on each surface to be glued. The solvent is allowed to evaporate under normal working conditions for about 10 minutes. Thereafter, a cold sticking time of about 10 to about 15 minutes is available. These times depend largely on the materials used, environmental conditions, amount of adhesive applied, etc. After this time and although the adhesive has lost its tackiness, it can be reactivated by heat without altering its properties. It is not advisable to force the joints until after 24 hours.

It is sometimes desirable to use this adhesive with a crosslinker in a proportion of 5% by volume relative to the Plastik PU adhesive. This second reinforcing component improves the properties of the adhesive in terms of strength, resistance to heat and aging, among others.

For more information and precautions for use, consult the Material Safety Data Sheet.

PREPARATION OF MATERIALS

As a general rule, we must remove any dirt, grease or impurity by physical or chemical treatment of the surfaces to be glued. Here are some suggestions that may be of interest to you:

OUTSOLE / FLOOR MATERIALS:

LEATHER: Sanding and / or Carding. In case of absorbent soles the application of a primer PU improves the anchorage of the adhesive and strengthens the soles of loose structure and / or very absorbent.

PVC and PU: Wash with solvent. Allow to dry at least 10 minutes before application of the adhesive.

TR (SBS): Halogenation with PRIMER HALOGENANTE. Allow to dry at least 20 minutes before applying the adhesive

RUBBER (NR; CR; SBR; NBR ...): RUBBER (NR; CR; SBR; NBR ...) Sanding and / or halogenation with PRIMER HALOGENANTE. Allow to dry at least 20 minutes before applying the adhesive.

EVA: Sanding, carding; It is sometimes necessary to apply a specific Primer + REFORZANTE prior to the application of the adhesive. We recommend periodic testing of gluing on this material, especially due to the problems that have arisen in the footwear sectors, caused by variations in their composition and / or qualities. Always use in 2-component system.

MATERIALS OF UPPER:

In general we must eliminate the finish and the flower coat of the leathers or the covering of the synthetic ones, as well as the irregularities in the surface. In any mechanical preparation card, sandpaper, strawberry ... it is important to choose the working speeds so as not to break, weaken or burn the materials. In the leathers get to get a velvety surface of short and strong fibers. It is important to remove all impurities and dust before applying the adhesive.

Finished leather or traditional finishes and unfinished leather (before, sawdust ...): card or sanding up to the corium or central part of the skin. On loose and very absorbent skins, we recommend the application of a PU primer to penetrate and strengthen the layers of the skin before applying the adhesive PLASTIK PU.

Oiled leathers: sanding and carding. We always advise the use of PRIMER PU + 5% Reinforcing Adhesive. However, since the actual content and type of grease are easy to determine, we advise you to perform take-off tests with aging before starting the production process.

Patent leather, fabrics, leather and split suede with Polyurethane (PU) or PVC finish: Sanding or cleaning with solvent to remove it.

Fabrics, tarpaulins and other textiles: Soft sanding in order to eliminate sizing. These materials are usually very absorbent so the application of two layers of adhesive or a PU primer is most appropriate.

PACKAGING INFORMATION

1 litre metallic cans and 4 litres metallic cans.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 12 months. It is important to preserve it at temperatures below 4 ° C, as it will tend to gel.

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CONTACT TRANSPARENT

DESCRIPTION

Non-toluene solvent-based contact adhesive specially designed for professional use, mainly intended for the footwear industry. It has an excellent initial tack, long open time and develops excellent initial and final strength, which is why it is mainly used in bonding processes. Given its properties can be used to join all kinds of skins, sawdust, rubber, fabrics ...

This adhesive may be used if necessary in a two component system a crosslinker in a proportion of 5% by volume relative to the adhesive (REFORZANTE). This system is especially suitable for skins with fat content, gums of different types, thermoplastic rubbers (TR) and in general provided

that after adhesion tests and adhesion tests with aging, we see the necessity of their use.

TECHNICAL DATA

Polymer base:	Polychloroprene.
Solid content	24±1 %.
Viscosity	2000±200 cps. (Brookfield LVT sp.nº3 at 25° C).
Application:	Brush.

APPLICATION

The materials to be bonded must be clean and dry. Brush an even layer of adhesive onto each surface to be glued. The solvent is allowed to evaporate under normal working conditions the time for evaporation is about 10 minutes, thereafter a cold sticking time of about 60 minutes is available. These times depend largely on the materials used, environmental conditions, amount of adhesive applied, etc. After this time, the adhesive can be applied by applying heat to the adhesive to recover its tackiness. It is not advisable to force the joints until after 24 hours. In the case of gluing by means of a two component system, it must be done within a maximum of 2 hours from its application, since the adhesive will have crosslinked and a new application of the adhesive will have to be applied in order to bond.

For more information and precautions for use, consult the Material Safety Data Sheet.

PREPARATION OF MATERIALS

As a general rule, we must remove any dirt, grease or impurity by physical or chemical treatment of the surfaces to be bonded.

PACKAGING INFORMATION

1 litre metallic cans and 4 litres metallic cans.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 12 months.

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TS 5/90

DESCRIPTION

Solvent-based contact adhesive specially designed for professional use, mainly intended for the footwear industry. It has an excellent initial tack, long open time and develops excellent initial and final strength, with good resistance to temperature. It is used mainly in the processes of adhesion cut-floor. Given its properties can be used to join all types of skins, sawdust, fabrics ...

TECHNICAL DATA

Polymer base:	Polychloroprene.
Solid content	23±1 %.
Viscosity	1800±300 cps. (Brookfield LVT sp.nº3 at 25° C).
Application:	Brush or roller.

APPLICATION

The materials to be bonded must be clean and dry. Brush or roll a uniform layer of adhesive on each surface to be glued. The solvent is allowed to evaporate until the surface is dry to the touch, ie when pressing with the fingertip the adhesive does not adhere. Under normal conditions of porosity, quantity, temperature and humidity, the waiting time for evaporation is about 10-15 minutes, thereafter an open time after application is available between 30 and 40 minutes for cold gluing (Depending on the time of the materials used, environmental conditions, amount of adhesive applied ...). After this time and the adhesive has lost its stickiness - "tack" - can be reactivated by heat without altering its properties.

For more information and precautions for use, consult the Material Safety Data Sheet.

PREPARATION OF MATERIALS

As a general rule, we must remove any dirt, grease or impurity by physical or chemical treatment of the surfaces to be bonded.

PACKAGING INFORMATION

1 litre metallic cans and 4 litres metallic cans.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 12 months.

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IMPRIMACIÓN PU

DESCRIPTION

Primer on solvent base specially designed for the footwear industry. Suitable for use as a primer on loose and very absorbent skins, in order to penetrate and reinforce the superficial layers of the skin, and especially in high-fat skins in the manufacture of high-demand footwear (Sports, military, mountain ...). It also has a high resistance to heat, hydrolysis and plasticizers.

TECHNICAL DATA

Polymer base:	Polyurethane.
Solvent	Ketones mixture
Viscosity	600±100 cps. (Brookfield LVT sp.nº3 at 25° C).
Solid content	13,0±0,5 %.
Application:	Brush or spray machine.
Dry time:	10 to 15 minutes
Temperature resistance:	To 80°C

APPLICATION

To this Primer can be added a 5% REFORZANTE in order to improve its adhesion properties, crystallization rate, resistance to temperature and to fats and plasticizers, and to aging etc.

Due to constant variations in quality and / or nature of the materials used in the footwear industry, the use of this Primer in a two component system (PU + REFORZANTE) is advisable whenever possible , Since the adhesive and mechanical properties of the adhesive itself are considerably increased.

For more information and precautions for use, consult the Material Safety Data Sheet.

PREPARATION OF MATERIALS

As a general rule, we must remove any dirt, grease or impurity by physical or chemical treatment of the surfaces to be bonded.

PACKAGING INFORMATION

1 litre metallic cans and 4 litres metallic cans.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 12 months. It is important to preserve it at temperatures below 4 ° C, as it will tend to gel.

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REFORZANTE PLUS

DESCRIPTION

REFORZANTE PLUS is a clear color isocyanate crosslinker, commonly used in contact adhesives (polychloroprene, natural rubber, synthetic rubber ...), with special adhesion on rubber materials.

REFORZANTE PLUS is a solution of 27% tris (p-isocyanatophenyl) thiophosphate in ethyl acetate. It is a clear clear color liquid.

TECHNICAL DATA

NCO CONTENT:	7.2 ± 0.2 %
SOLVENT :	Etyl acetate
VISCOSITY (at 25°C):	3 mPa·s
SÓLID CONTENT:	27 ± 0.5 %

APPLICATION

REINFORCING PLUS should be added to bi-component adhesives in a proportion of 3 to 7%, usually 5% by volume. Once the bi-component adhesive has been mixed, it must be applied within a maximum pot life which varies depending on the nature and proportion of the polymer and the resins composing the adhesive. Once the pot-life is exhausted the adhesive is increasingly difficult to apply, since its viscosity increases with time until irreversible gelation.

PACKAGING INFORMATION

50ml plastic bottle.

STORAGE

Around 6 months in its original container, sealed. If stored at low temperatures, they may precipitate crystals that dissolve again when the temperature increases.

All isocyanates types react with water, so this product is very sensitive to humidity and the containers must remain tightly closed, avoiding the entry of water in any of its forms (humid air, wet solvents ...)

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CLEANER TRANSPARENT



DESCRIPTION

Product formulated with a mixture of organic solvents of good diluent power and **toluene free**. This solvent is recommended for the cleaning of utensils, tools and machinery, and dilution of adhesives formulated with rubber-type polymers (chloroprene, polyisoprene, SBS, SIS, ...).

TECHNICAL DATA

CHEMICAL BASE:

Mixture of aliphatic solvents and ketones.

PURITY:

> 99.5%

DENSITY (25°C):

0.73 ± 0.2 gr/cc

VELOCIDAD

DE

Media

EVAPORACIÓN:

APPLICATION

Recommended for cleaning utensils, tools and machinery. Also as a thinner and viscosity corrector for rubber adhesives (chloroprene, polyisoprene, SBS, SIS, ...) and multipurpose cleaner. In cases of dilution of the adhesive, consult the supplier of the maximum amounts of addition to avoid damaging the bonding efficiency.

PACKAGING INFORMATION

1 litre metallic cans and 5 litres metallic cans.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 12 months.

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PRIMER HALOGENANTE

DESCRIPTION

Solution of a halogenating precursor in a mixture of organic solvents which acts as solvent-based adhesion promoter specially designed for the industry. Its main use is the treatment of vulcanized or thermoplastic rubbers and its subsequent gluing with polyurethane adhesives.

TECHNICAL DATA

Solvent	Organic ester mixture.
Application:	Brush or roller.
Dry time	Fast, about 30 minutes, depending on the type of materials, environmental conditions.

APPLICATION

Its main use is the treatment of vulcanized rubbers and thermoplastic rubbers. The product Primer Halogenante will be applied on the clean surfaces, well distributed and without leaving puddles. It is necessary that the application be gentle so as not to degrade excessively the surface of the rubbers to be treated. Allow to dry for at least 30 minutes before application of the adhesive.

In the case of vulcanized rubbers, a mechanical preparation (sanding or carding) is usually necessary to remove the area that has come into contact with the vulcanization molds, an area known as vulcanization skin. Likewise, superficial aging phenomena can occur that can also hinder the halogenation process, such as oxidations, emigrations, surface degradations, etc.

In practice, direct halogenation can only be considered for thermoplastic rubbers, however, certain formulations of rubbers which may include other polymers, such as polyolefins, and the halogenation process, should be suspected. Demoulding and anti-adherent substances can sometimes be found on the surface of the rubber, with prior "degreasing" of the surfaces with the aid of light solvents.

PACKAGING INFORMATION

250ml plastic bottle.

STORAGE

Store between 5 to 30°C in original packaging. Keep container tightly closed when not in use. Shelf life approximately 3 months.