Lascaux
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Lascaux Adhesives and Adhesive Wax

Water-soluble Acrylic Adhesives 303 HV, 498 HV, 498 20-X

Base
The two types 303 HV and 498 HV are thickened with acrylic copolymer. Type 498 20-X contains 20% Thinner X. All types have a pH 8-9 and are biocide stabilized.

Filmproperties

	303 HV	498 HV 498 20-X
Minimum film formation temp. (MFT):	approx. 0°C	approx. 5°C
Glass transition temperature:	approx. - 35°C	approx. 13°C
Elongation at break:	> 1000%	approx. 400%
Dry film:	sticky, clear	elastic hard, tack-free, clear
Minimum sealing temperature:	approx. 50°C	68-76°C

Solubility
Water-dilutable, insoluble in water after drying.
303 HV: dissolves well in acetone, toluene, xylene. Swellable in ethanol or white spirit.
498 HV and 498 20-X: dissolve well in acetone, ethanol, toluene, xylene. Insoluble in white spirit.

Applications
For light-resistant, non-ageing, non-crosslinking linings, marouflages, laminations, collages etc. For wet application or reactivation of dry film, on absorbent and non-absorbent supports such as paper and cardboard, textiles, wood- and fibreplates, polyesterplates, plaster and concrete, glass and acrylic glass, aluminium etc.

Lascaux Acrylic Adhesive 303 HV is extremely elastic; the dry film remains permanently tacky. Can be used as a contact adhesive when doing hot-sealing linings.

Lascaux Acrylic Adhesive 498 HV has a strong elongation at break, and is suitable for wet and dry applications (reactivation with solvents). Standard type for linings and marouflages.

Lascaux Acrylic Adhesive 498 20-X is especially suited for strip-lining, fabric marouflages and mounting.

Safety
Please observe safety information on the safety data sheet.

Storage
Keep containers closed, when not using the product. Store at constant temperature between 5°C and 25°C.

Sizes
Acrylic Adhesives 303 HV: Jars in1 l
Acrylic Adhesives 498 HV: Bottles in 85 ml, jars in 1 l, buckets in 5 l
Acrylic Adhesives 498 20-X: Jars in 1 l, buckets in 5 l

Heat-Seal Adhesive 375

Base
Based on a mix of copolymer resins and paraffin. 40% dilution in toluene and white spirit 100/140.

Properties
- Activation temperature: 62-65°C
- Acid value: below 1
- Colour: colourless when cold, translucent when sealed
- Viscoplastic, excellence adhesion, ageing resistance

Solubility
Soluble in aromatic solvent like Toluene or Xylene. Insoluble in alcohol.

Diluation
Can be diluted with White Spirit, Benzine 100/140. Acetone swells Lascaux Heat-Seal Adhesive 375 and loosens its adhesion but does not dissolve it. Insoluble in alcohol.

Uses
For lining of paintings on canvas, with or without interleaf, for mountings of paper and textile, for strip lining. For facings and for the consolidation of paint layers. For temporary and permanent bondings.

Application
Lascaux Heat-Seal Adhesive 375 can be applied by spraying, brushing or with a roller. Usually, it is desirable to slightly warm Lascaux Heat-Seal Adhesive 375 in a waterbath and dilute it 2:1 to 1:1 with Benzine 100/140, in order to get the consistency of light cream. Cold or warm application is possible, although warming the Lascaux Heat-Seal Adhesive 375 solution will

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increase penetration. For spray application, dilute with Toluene, in order to reduce the viscosity.
Lascaux Heat-Seal Adhesive 375 is activated only after all solvents required for its application have evaporated (12-24 hours).
For lining Lascaux Heat-Seal Adhesive 375 is best applied either on the lining canvas or on an interleaf (e.g. polyester non woven). Heat activation after drying of the solvents at approx. 62-65°C on a hot table, or with an iron or a hot air blower. Heat activation can be done days or week after application of the Lacaux Heat-Seal Adhesive 375.
If Lascaux Heat-Seal Adhesive 375 is used for the consolidation of paint layers, it should be diluted 1:4 Benzine 100/140 or White Spirit, or with Toluene to increase penetration (check solubility of paint layer first). Heat activation after complete evaporation of the solvents and under light pressure.
Removal of Lascaux Heat-Seal Adhesive 375 can be achieved by the use of either heat or solvents like Acetone or Benzine 100/140.

Safety
Please observe safety information on the safety data sheet.

Storage
Keep containers closed, when not using the product. Keep in a cool and dry place.

Size
Cans in1 l, buckets in 5 l

Heat-Seal 375 Dry Mixture

A 40% solution is prepared as follows:

1. Put 1.65 kg of Heat-Seal 375 Dry Mixture (incl. resin which is enclosed in a small plastic bag) into a container with a lid and add 1.5 kg (i.e.1.7 l) of Toluene.
2. Let the mixture soak for at least 12 hours.
3. Place the container into a water bath and heat the mixture to approx. 60°C (140° F) on an electric plate in a well ventilated room (no open flame). Keep the container lightly closed.
4. Stir mixture occasionally until a uniform solution is obtained.
5. Successively add 1 kg (or 1.4 l) pure Benzine 100/140 (naphta) and stir until a homogenous solution is obtained.
6. It is recommended to warm the solution for the application as this facilitates the process (except during warm weather).
7. This preparation makes for approx. 4.15 kg (i.e. 5 l) 40% Heat-Seal Adhesive 375 solution. Keep the container well sealed during the period of cooling.
8. For the application of the 40% solution of Heat-Seal Adhesive 375 refer to our data sheet.

Safety
Please observe safety information on the safety data sheet.

Storage
Keep containers closed, when not using the product. Keep in a cool and dry place.

Size
Buckets in 1.65 kg

Heat-Seal Adhesive 375 Film

Heat-Seal Adhesive 375 Film is specially designed for the preparation of thin adhesive layers as required in the conservation of artworks on paper and for linings on canvas. The transparent surface allows for accurate cutting and mounting. This is of great value particularly in applications such as collages, where close positioning is vital, and for consolidating fragile or delicate materials.
Heat-Seal Adhesive 375 Film only develops its adhesive action when heated or activated by a solvent.
It can therefore be applied in loose or flakey areas and fixed accurately in position while the adhesive component is inactive. The adhesive is then activated with a hot-air fan at a temperature of 65° C (150° F). Heat-Seal Adhesive 375 Film can be removed from asorbent surfaces with Hexane or Acetone, providing these solvents will not damage the artwork. These solvents do not dissolve the adhesive but cause it to swell up. Care should therefore be taken to prevent contamination of the absorbing material.

Size
Rolls of 5 m x 69 cm

Adhesive Wax 443-95

Base
Lascaux Adhesive Wax 443-95 is a compound of a microcrystalline wax and a synthetic polyterpene resin. The resin serves as an elastomer and tackifying agent, provides excellent adhesive and bond strength, improves moisture resistance and wettability.

Properties
- Melting point 68°C. Softening commences at about 60°C
- Gardner colour No. 4
- Acid No. under 1
- Viscoplastic, excellence adhesion, ageing resistance

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Solubility
- Soluble in aliphatic and aromatic solvents such as Benzine, Turpentine Oil, Thinner X, Toluene, etc.
- Insoluble in Alcohol

Uses
This product is used for all conventional canvas linings; for Fibre Glass Fabric linings where the lining must be totally transparent, and for sandwich linings. Its ease of handling and quick hot-tack make it highly advantageous for bonding jobs and temporary as well as permanent mounting work, such as balsa wood backing, which can easily be disconnected with a hot air gun. Another use is that of facing; both when diluted in solvents or as a solid.

Application
For most jobs, it is best to keep the compound in a liquid state, in a double boiler, at a constant temperature of about 60°C. Apply in the usual way with brush, roller or spatula, as thinly and evenly as possible.
A hot air gun may also be used. Optimum resu!ts are, of course, obtained on a hot table, at a temperature of about 50-60°C. Sealing occurs at 68°C on the hot table, at best under vacuum. Smaller objects may also be sealed with a pressing iron. The relatively sharp melting point permits quick bonding, mounting, backing, etc., with excellent adhesion. Disconnection with a hot air gun is very easy.

Size
Aluminium containers in 750 g

Polyamide Textile Welding Powder 5350

Base
Thermoplastic copolyamid resin.

Properties
Melting point of 90-100°C.

Uses
It is used as a hot-melt adhesive for textiles and leather. In conservation it is widely used for tear-mending of paintings on canvas. The tensile strength is sufficient in most cases. If higher tensile strength is required, type no. 256, which has a melting point of 105-115°C, can be used.

Application
Polyamide Textile Welding Powder is a hot-melt adhesive. The easiest way of application is to stick a hot soldering needle into the powder and then apply the melted polyamide.
Another method consists of melting the polyamide powder with an iron between two sheets of Hostaphan film, in order to obtain a coat of approx. 1-2 mm thickness. After cooling, the polyamide coat is cut in very thin strips. These strips are then used together with the soldering needle to weld the threads.

Size
Jars of 50 g. Bottles of 250 g and 500 g

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