

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

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Lascaux Acrylic Emulsion D 498-M

Composition

Pure acrylic resin dispersion containing wetting agents, cellulose ether and preservative

Properties

- colourless
- lightfast, age and weather-resistant binder
- with good adhesive properties
- dries to a transparent and waterproof film

Applications

- for preparing acrylic colours with powder pigments and water-based pigment preparations, primers, modelling pastes and for the setting of mosaic stones.
- as adhesive for paper, cardboard and fabric on absorbent supports such as paper, cardboard, fibreboard, wood, plaster, mortar, concrete, etc. Can be mixed with cellulose or starch paste as required to provide the desired bonding strength or water resistance.

Directions

To prepare small quantities of acrylic colours, powdered pigments can be worked directly into Acrylic Emulsion D 498-M with a palette knife or bristle brush. Wetting is improved by working the pigment into a stiff paste with Acrylic Emulsion D 498-M diluted in a proportion of 1 to 9 with water and then adding further amount of pure Acrylic Emulsion D 498-M as necessary. For larger quantities, the use of a whisk or mixer is advisable.

The ratio of Acrylic Emulsion D 498-M to powdered pigment can be varied to requirements. The rule of thumb is one part powdered pigment to one part emulsion by volume (bearing in mind that light pigments need more binder than heavy ones).

More Acrylic Emulsion D 498-M imparts a silky or satiny sheen to the colours. Less binder produces colours with a matt appearance similar to that of tempera or gouache. For matt colours, Acrylic Emulsion D 498-M can be diluted with a cellulose glue solution or Matting agent can be added.

Inorganic pigments are particularly suitable for making acrylic colours. Colours for use on lime-based supports should contain only pigments stable to lime.

We supply organic pigments in the basic colours yellow, orange red, crimson, bordeaux, violet, blue and green as concentrated water-based pastes without binders. These dispersed organic pigments can be used to mix fullstrength colours by adding 1 part Acrylic Emulsion D 498-M and 1 part chalk. The addition of chalk improves the covering power and brushability of the paint. To make primers, spatula and modelling pastes, Acrylic Emulsion D 498-M can be mixed with solid, powdered additives because the emulsion contains all the necessary liquid components. A portion of titanium white rutile is required to obtain a satisfactory covering power. Suitable fillers are calcite, heavy spar, natural chalk, etc., and for modelling pastes also powdered quartz, lime, sand, marble and fibrous materials. Here too, the product must first be worked up to a paste. It should be borne in mind that additives and pigments with a high water requirement may tend to crack upon drying. Drying tests should therefore always be carried out for porous supports. In mixtures of this kind, the proportion of cellulose solution may be increased as desired.

When mixed with chalk and quartz or quartz sand powder, Acrylic Emulsion D 498-M is ideal for embedding mosaic stones.

It should not be used for colourless coverings because the film does not dry hard enough.

Lascaux Acrylic Emulsion D 498-M should not be used below the temperature of +5°C (+41°F).

Notes

USA: conforms to ASTM D-4236.

Sizes

Art. Nr. 2035025: 250ml

Art. Nr. 2035025: 1l

Art. Nr. 2035025: 5l.