



Lascaux Hydro-Sealer 750

Base: Pure acrylic dispersion, solvent-free and of extremely fine particle size.

Product Form: Approx. 30% aqueous dispersion; average particle diameter of 0,06 my, pH-value 8.

Use

As impregnation sealer for consolidation of sanding or crumbling or otherwise not consolidated grounds. For consolidation of loose paint layers, crackings or cuppings; as heat-activated adhesive.

Application

As impregnation sealer for following paintings, as impregnation of wood, plaster, concrete, of paper, cardboard etc. Lascaux Hydrosealer 750 is diluted with water in a ratio of 1:4 to 1:6 (according the absorption power of the substrate). Re-coatability after approx. 4-8 hours.

For consolidation of paint layers, above all of oil paintings, Lascaux Hydro-Sealer 750 is diluted with water in a ratio of 1:1 to 1:4 (according the demanded adhesive power) and then soaked into the tears, cracks or cuppings; surplus of Lascaux Hydro-Sealer 750 on the surface should be removed carefully before drying with a humid sponge and/or a cotton swab.

Then, after drying for approx. 1 hour, seal it under vacuum on the vacuum table at approx. 40 degrees C; after another hour, open the vacuum and let it dry. The sealing can also be done with an iron or a hot air blower Leister and by softly pressing with a rubber roller.

The effect of the Lascaux Hydro-Sealer 750 can be raised by adding approx. 10-20% of PM Cellosolve (propylene glycol ether). PM Cellosolve can soften the oil paint layer and make it easier to flatten. Addition of approx. 0,1% of wetting agent (e.g. Triton DF 12) improves the penetration.

Lascaux Hydro-Sealer 750 is especially qualified for the consolidation of micro-fissures and cuppings. For consolidation of heavier cuppings, acrylic dispersions of fine particle size of a diameter of 0,1-0,2 my can be used (like Plextol D498, Plextol B 500, Lascaux Acrylic Adhesive 498 HV or Lascaux Acrylic Adhesive 498-20X).

Often it is recommended to impregnate the back of the picture too with a low solution (approx. 1:5) of Lascaux Hydro-Sealer 750, this for stabilization of the canvas or of the priming coats, also for following lining (see ICOM-paper 1984 by Pierre B. Boissonnas and Westby Percival-Prescott).

After drying, Lascaux Hydro-Sealer 750 becomes insoluble in water like all acrylic dispersions, but remains reversible in acetone, alcohol and aromatics as toluene and xylene.

By this reason Lascaux Hydro-Sealer 750 is less qualified for the consolidation of absorbent paint layers like fresco, silicate paints and distempers; there would be the risk that Lascaux Hydro-Sealer 750 does not penetrate sufficiently in the thicker paint layers, and so bad effects could arise. Solvent-based acrylic resins are better qualified for these works, because they are permanently soluble and reversible in the same solvents; also too high saturations (as result of too high concentration) can be corrected by wetting with the respective solvent. The following acrylic resins are suitable for these works: Paraloid B72, Lascaux Acrylic Resin P550-40 TB or



Lascaux Acrylic Glaze 40X Gloss; they have to be used in low concentration of 3-6% of solid matter, in several layers until the desired saturation.