LATEX AL800

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1. DESCRIPTION

Latex AL800 is a pre-vulcanised latex with special ingredients to provide quicker build-up.

2. APPLICATIONS

The product has been developed for use in the production of latex rubber mouldings from plaster cast models made from any good grade of plaster of paris.

Latex AL800 is sensitised to allow a rapid build-up of latex on the plaster cast in one dipping cycle. No coagulant is required to set the latex which is easily stripped from the casting after drying with no risk of splitting.

3. METHOD OF USE

a. Ensure that the plaster formers are thoroughly dry and free from dirt, grease and any foreign matter. In the case of plaster formers which have deep undercuts, low vacuum drains may be incorporated, this will stop any air trapping.

b. Immerse the plaster formers into the latex slowly and evenly to avoid entrapping air bubbles. Keep the formers in the latex until a film of suitable thickness is obtained. This time will depend upon the porosity of the plaster and the size of the casting. Generally times of between 7 and 15 minutes should be suitable.

c. Dry the rubber mould on its former in a convection oven at a temperature of between 65^{o} and 80^{o}C. The flexibility of Dunlop latex compounds enables the moulds to be stripped from formers without fear of splitting, providing the moulds have been correctly dried. After stripping, the interior of the mould should be detacked.

4. PROPERTIES

Total Solids	55.5 ± 1%
Viscosity	250 – 325 cps
Typical Specific Gravity	0.962

5. STORAGE AND SHELF LIFE

Stored in well sealed lacquered containers, Latex AL800 pre-vulcanised latex will keep satisfactorily for at least six months. The latex must be protected from frost and should preferably be stored at a temperature above 5^{o}C, but not above normal ambient temperatures. This latex must never be contaminated with copper or any other heavy metal ions. Latex contaminated in this way will age rapidly and the compounds usable life will be seriously impaired. Copper or copper alloy machine components should be chromed or exchanged for non-cuprous replacements.