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PLASTER Product Data Sheet

CAST SHELL PLASTER

Developed to assist mold-makers when making plaster mother-mold support shells. It offers improved flow control and low sag, allowing for better vertical application. Add HEMP FIBER to lighten and strengthen support shell. Mix Ratio: 60 parts water to 100 parts plaster. Set Time 15-25 minutes. De-Mold Time 40-60 minutes.

Available Sizes: 10 lb and 50 lb Boxes

HYDROCAL WHITE

This gypsum cement can be solid or hollow casted, producing parts bright white parts that offer great green strength for less breakage. The only plaster that can be carved or added to. Used for casting lamp bases, hollow figurines and to make molds for Slush Casting Latex because of its water absorbing capabilities. Set Time 25-35 minutes. De-Mold Time 60-80 minutes. Mix Ratio: 45 parts water to 100 parts plaster.

Available Sizes: 10 lb and 50 lb Bags

HYDROSTONE

Plaster cement that produces hard, high strength parts with excellent water absorption resistance. Its low viscosity will reproduce fine details. Excellent for casting high quality art and novelty items, figurines, patterns and for fill applications. Set Time is 17-20 minutes. De-Mold Time 60-80 minutes. Allow castings to fully dry before painting or expedite dry time in oven at 120F for 12 hours. Mix Ratio: 32 parts water to 100 parts plaster.

Available Sizes: 10 lb and 50 lb Bags

ULTRACAL 30

High tech plaster with lowest expansion rate, high compressive strength and high dimensional accuracy for tooling applications. Use to produce molds for foam latex and PVC part production, and for dimensionally stable castings. Set Time is 25-35 minutes. De-Mold Time 60-80 minutes. Mix Ratio: 38 parts water to 100 parts plaster.

Available Sizes: 10 lb & 50 lb & 100 lb Bags

20 MINUTE PLASTER

Low cost, economical, fast setting plaster. Set Time: 17-27 minutes. De-Mold Time 40-60 minutes. Mix Ratio: 70 parts water to 100 parts plaster.

Available Sizes: 100 lb Bags

PLASTER BANDAGES

PB 5"inch wide plaster bandages supplied in 15 feet in length rolls. Bandages can be cut or placed whole in water (at 45° angle and squeeze out excess water) then laid against surface to dry. Plaster bandages have 2 to 4 minutes set time and cure in 15 minutes. These plaster-reinforced bandages make lightweight, strong support molds for SILGINATE (Alginate) and small, thin skin molds.

Available Sizes: Single roll and Case of 12 rolls

ACCESSORIES

HEMP FIBERS

Hemp is a natural fibrous material like rope. This is supplied in unwoven fibers that can be shaped, soaked in water and mixed with cast shell plaster and used to build a mother mold support shells.

Available Sizes: Small Bags, 1/4 & Full Bale

Burlap

Loose, strong burlap fabric used to build strength in latex skins. Use to reinforce edges in concrete stamps, Art projects and flexible molds.

Available Sizes: 40" inch wide x 10 yards long Bags & Roll of 100+ Yards.

Cheese Cloth

Used to reinforce mold where elongation (Stretch) is not needed. This thin, yet strong fabric will easily drape over various contoured surfaces.

Available Sizes: 36" inch wide by 20' foot long Bags & Box of 100 Yards

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION, AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ANY PARTICULAR PATENT.