



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224
Phone: 410-675-2100 or 800-543-3840

Revised: 2/15/2005

DAP® Bondex® Plaster of Paris for Hobby and Craft - Dry Mix

- Great for casting molds.
- Can be used for patching applications.
- Non-Shrinking.

Company Identification:

Manufacturer: DAP Inc., 2400 Boston St., Baltimore, Maryland 21224
Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST.
Order Information: 800-327-3339
Fax Number: 410-534-2650
Also, visit the DAP website at www.dap.com.

Packaging: 4.4 lb.
Color: White
UPC Number: 53005

Product Description:

DAP® Bondex® Plaster of Paris for Hobby and Craft may be used for mold-making, sculptured figures and hobby and craft applications. It sets up very quickly, dries snow white and is non-shrinking. This hobby and craft formula can be painted with any oil or latex-based paint. DAP® Bondex® Plaster of Paris for Hobby and Craft can also be used for patching holes in plaster walls and ceilings.

Suggested Uses:

Ideal for mold making, casting sculptured figures and hobby and craft applications

Surface Preparation & Application:

Casting:

- The mold should be clean and free of loose material. For most uses, wetting the inside of the mold prior to pouring is sufficient. However, when a super-smooth surface is desired on your finished piece, a coat of mold release is recommended instead of water. A suggested mold release is a mixture of mineral spirits and petroleum jelly mixed to a watery consistency and applied with a brush to the inside of the mold.
- Add DAP® Bondex® Plaster of Paris for Hobby and Craft to clear cold water in a clean container mixing 2 parts powder to one part water. Stir to a smooth consistency. Do not mix more material than can be used in 15-20 minutes. Discard any material that has begun to harden.
- Pour the mold in 4 or more layers. Fill ¼ of the mold up at a time and tap the mold on a tabletop to release trapped air with each layer. Continue to fill mold ¼ at a time tapping as you go.
- After 1 hour remove the dried Plaster of Paris from the mold. Allow the cast to dry 1-3 hours depending on size.
- When dry, apply shellac to piece. Allow shellac to dry 2 hours before painting.

Patching:

- Surface must be clean and free of wallpaper, loose paint, loose plaster, wax, dust and dirt.
- Undercut the edges of the existing plaster so that the plaster material can anchor around the opening.

- Lightly dampen the area with water.
- Add Plaster of Paris to clean water in a clean container mixing 2 parts powder to 1 part cold water. Stir to a smooth consistency. Do not mix more material than can be used in 15-20 minutes.
- Apply the Plaster of Paris with a clean putty knife or trowel filling around edges. Remove excess materials so that plaster is level and flush with the surface being patched.
- For large, deep openings apply a base layer and allow it to dry. When the base layer is dry, wet the surface and apply the finish layer to patch. When thoroughly dry, sand smooth. Make sure the plaster is completely dry and hard before painting.

FOR BEST RESULTS:

- Use cold water when mixing.
- Sand as needed before decorating. Wet sanding is recommended to avoid creating dust.
- Always use a good quality oil or latex-base paint for a professional finish.
- For repairs requiring a longer work time (over 30 minutes), use DAP® Plaster Wall Patch

Physical & Chemical Characteristics:

Vehicle:	Plaster
Filler:	Calcium Carbonate
Working Time:	15-20 minutes
Setting Time:	45-55 minutes
Final Curing:	3 days
Coverage:	1 lb. of dry material will yield 0.014 cubic feet

MSDS No. 00079010001

Clean Up:

Clean tools immediately with water after use. Dried material must be cut, scraped or sanded away. Tightly seal container of unused material.

Safety:

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS by visiting our website at www.dap.com or by calling 888-DAP-TIPS.

Warranty Information:

If you are not satisfied with this product’s performance when used as directed, return used container and sales receipt to DAP Inc., Technical Customer Service, 2400 Boston Street, Suite 200, Baltimore, MD 21224 for product replacement or sales price refund. DAP will not be liable for incidental or consequential damages.