

Explora•Dome Applications

The Explora•Dome has been designed to allow the owner to add modifications and enhancements as they see fit. Owners of the Explora•Dome can choose to design a building style that suits their needs.



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Since the beginning of time, man has looked towards the heavens in wonder and amazement. This beckoning still holds true, even to this day, as amateur astronomers point their telescopes towards the night sky and look back in time.

Explora•dome™
BY POLYDOME

www.exploradome.us or www.explora-dome.com

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Background photo by NASA

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Explora•Dome is the affordable observatory dome for amateur astronomers.

Explora•Dome accessories.

means of rotation and design a building that suits their needs. The difficult task of creating the dome has been done for you.

All the Explora•Dome surfaces and doors have a minimum 1/4" thickness and yet it weighs in at a mere 180 pounds. Polyethylene is extremely durable; it has a higher impact resistance than fiberglass, aluminum and even steel (no more hailstorm worries). It's coefficient of friction is lower than nylon and comparable to Teflon; making it slippery enough for easy cleanup and snow will slide right off the dome. Polyethylene is 100% recyclable so it is environmentally friendly. Best of all, you aren't sacrificing quality for price. Fiberglass takes hours and hours of laying up the resins and glass. That is why they cost so much. Explora•Dome is molded and easily duplicated reducing the cost to an affordable level.

Features:

- **Virtually Indestructible**
- **UV Stabilized Polyethylene**
- **Low Maintenance**
- **Low Initial Cost**
- **Dome Ships Fully Assembled**
- **Click Lock Lower Hatch**
- **Easy Glide Shutter Door**
- **Colors! Your choice of White, Blue, Forest Green and Red**



Explora•Dome shown closed on top of our 8' round building with a steel door.

PolyDome is offering a whole new breed of backyard observatory domes . . . the Explora•Dome! Unlike our competitors in the astronomy market today, the Explora•Dome is a truly affordable, virtually indestructible, maintenance free observatory dome. Now you can afford to sit inside a true observatory sheltered from the winds and annoying neighbor's porch lights. No more need to haul your equipment out, set it up, and then when you are finished, break it down and haul it back inside.

The Explora•Dome is roto-molded as a one piece unit. It is manufactured of very strong, UV stabilized polyethylene plastic. The observatory features a two door shutter system: the lower shutter door flips outwards, while the upper door glides open and closed.

The Explora•Dome has been designed to allow the owner to add modifications and enhancements of their own choosing. Buyers of the dome can choose their own



Explora•Dome shown open on top of our 10' round building with transition skirts and steel door.



Explora•Dome shown on top of our 10' square building with transition skirts and steel door.

The Explora•Dome is 97-inches in diameter and 54-inches tall including the skirt; 48-inches from the skirt lip to the top of the dome. It is tall enough to sit comfortably inside. To allow standing inside it is suggested that you mount the Explora•Dome on the top of a structure at least 48-inches high with lockable door access. Mounting the Explora•Dome on a track will allow greater ease of rotation.

With the Explora•Dome the do-it-yourself observatory dream comes true! The cost is low enough

that an observatory is now within reach of many who thought they could never own one. The hard part is completed and you can add just the finishing touches you want. Polydome allows the individual astronomer to choose the features they want, rather than limit them to a particular design. This allows you to be as budget conscious or as extravagant as you desire. Explora•Dome can be ordered on a variety of building shapes or build your own. Available transition skirts allow several shape options.



PolyDome has many options and accessories to choose from.

The optional rope pulley system allows easy opening and closing of the shutter door.



Photos at the right show available motorized hatch and shutter doors.

The Explora•Dome is available with blue or black lining. Our buildings come with metal siding in your choice of colors.



Photo at the left shows the available Automation Gear and Ring Kit which mechanically rotates the dome at a touch of a switch. Kit includes track, motor, bracket, and gear.



Optional bay extension provides dry storage space inside the round building for extra gear.



Other options for ease of dome rotation include: roller kits, wheel channel and wheel kits. Assembly instructions for most accessories are available on our websites.