



Parex NuTech WaterMaster DAFS system offers lightweight, cost effective finishing systems for cement board wall coverings and soffits with a wide range of aesthetic finishing options, textures, colors, accents and artistic stains. NuTech WaterMaster DAFS also provides a fire-resistive, durable plaster surface, along with the moisture protection of a water-resistive barrier. By incorporating a liquid-applied air & moisture barrier, moisture protection and energy efficiency are enhanced, which helps maximize the long-term, durable performance of these cement plaster finishing systems.

Suitable Types of Construction*

Non-combustible
Combustible
Fire-Resistance Rated Walls
Application Type
Application Orientation

Residential
 Residential
 Residential
 New
 Exterior Only

Commercial
 Commercial
 Commercial
 Renovation

*Use is limited to buildings up to three stories.

Substrates

Cement Board

- Minimum ½ inch thick National Gypsum PermaBase Cement Board
- Minimum ½ inch thick USG Durock NextGen Cement Board
- Gypsum Sheathing, Fiberboard, Exposure 1 OSB1, and CDX Plywood2 can also be used as substrate materials used in conjunction with Cement Board.

¹Regional restrictions apply. For OSB applications outside of approved regions, use Parex Standard WaterMaster LCR.
²See Tech Bulletin TB008 and TB011.

Code Approvals

IBC Section 2512
IRC Section R703.6.2

UL Design No. V4383³
UL Design No. BXUV.U4744⁴

³Fire-resistance rated walls of up to 4 hours are listed in UL Design No. V438. Design covers non-combustible, non-load bearing walls with National Gypsum PermaBase cement board.

⁴Fire-resistance rated walls of up to 2 hours are listed in UL Design No. BXUV.U474. The Design covers non-combustible, non-load bearing.

System Notes

- DAFS is a non-structural cladding. It depends on the substrate wall for support and attachment. Substrate construction must resist all design loads. Refer to Cement Board Manufactures installation instructions for control joint requirements for exterior applications.
- Sheathing attachment to framing must resist design negative windloads; loads are transferred to the framing. Appropriate safety factors must be applied.
- All penetrations & non-draining terminations of the system must be made weather-tight.
- Under some conditions, thermal conduction of fasteners and framing can become evident in the finish as "telegraphing" or "ghosting" and efflorescence can occur from hydration of cement products. These are natural phenomena which occur not related to product performance or quality.
- Planar irregularities in framing can be reflected as planar irregularities in the wall surface. Coarser finish textures and interruptions of plane by projecting decorative elements can make such irregularities less evident. As with other cementitious materials, minor cracking may occur, but can be reduced by control joints, just as in conventional Portland cement plaster.

Components

System options vary based on assembly selected. Review Parex Stucco Systems for more detailed system information.

➤ **WRB, Joint Treatment & Flashing**

- Parex USA WeatherSeal Spray & Roll-On
- Parex USA 396 Sheathing Tape or 365 Flashing Membrane
- OR -
- Parex USA WeatherFlash Waterproof flashing
- Parex USA 396 Sheathing Tape or 365 Flashing Membrane

➤ **Drainage**

- Dow Weathermate Sill Seal Foam Gasket: Polyethylene Drainage Strips 1/4" x 3.5"

➤ **WRB, Field Substrate**

- Parex USA WeatherSeal Spray & Roll-On

The following WRB formulation options are available to meet specific project conditions and climate zone considerations:

- Class I – WeatherBlock
- Class III – WeatherDry, WeatherSeal Trowel-On
- Permeable - WeatherSeal Spray & Roll-On, WeatherSeal SB

➤ **Base/Brown Coat**

- Parex 121 Dry HI, 121 Wet or 121 Optimum
- * Select the formulation most suitable for the project

➤ **Primer (Optional, use with acrylic & elastomeric finish materials)**

- A Parex USA primer suitable for finish selected

The use of primer enhances appearance and uniformity of the finish, improves finish coverage rates, helps prevent efflorescence, and promotes adhesion.

➤ **Reinforcing Mesh**

- 4.5 oz to 20 oz available

➤ **Finish or Coating**

- A Parex acrylic, elastomeric or specialty finish

➤ **Sealers & Accent Stains (Optional)**

- A Parex USA sealer or accent stain to enhance aesthetics & cleanability.

NOTE: EPS Features & Shapes can be added as desired.

Primarily used with specialty finishes

PAREX®

Corporate Office

Parex USA, Inc., a California Corporation
4125 E. La Palma Ave., Suite 250

Anaheim, CA 92807

www.parex.com

866-516-0061

Tech Support: 800-226-2424

© Parex USA, Inc. December 2017 • SSS NTDFASWM 1217