

# application instructions

## FINAL FINISH™ - DURA FINISH™ - DURA COTE™ EXTERIOR WALL APPLICATIONS

### MATERIAL ESTIMATE

CHLORINE BLEACH	1 QT per 100 S.F.	Approx. 1 QT Chlorine to 5 Gal/Water
THERMAPATCH™	1 GAL. Fills 175 cu. inches	Caulk and Seal all cracks 1/8" or greater
ELASTOPRIME™	Porous Substrates: 50 - 100 S.F. per GAL Non-Porous: 100 – 150 S.F. per GAL	Refer to STEP 5. NOTE: 1 coat is required on weathered or porous siding*
<b>FINALFINISH™ - Matte</b> <b>FINALFINISH™ Satin/</b> <b>Semi Gloss</b>	<b>Approximate Coverage (All Substrates):</b> 2 coats, each at 100 – 200 sq.ft./gal. <b>per coat</b>	<b>Approximate Film Thickness (per coat):</b> 7.5 wet mils = 5 dry mils @ 200 sq.ft./gal
	2 coats, each at 125 – 175 sq.ft./gal. <b>per coat</b>	10 wet mils = 5 dry mils @ 175 sq.ft./gal
<b>DURAFINISH™</b>	2 coats, each at 100 – 200 sq.ft./gal. <b>per coat</b>	7.5 wet mils = 5 dry mils @ 200 sq.ft./gal
<b>DURACOTE™</b>	2 coats, each at 200 – 300 sq.ft./gal. <b>per coat</b>	8.0 wet mils = 5 dry mils @ 200 sq.ft./gal
<b>NOTE: THE MORE POROUS, ROUGH OR UNEVEN THE SUBSTRATE, THE MORE PRODUCT NEEDED PER SQUARE FOOT.</b>		
* required to validate 15 year warranty for FinalFinish™ and the 20 year warranty for DuraFinish™ and DuraCote™		

### GETTING STARTED

All coatings must be stirred manually or mechanically before being used (except for **THERMAPATCH™**). Do not let products freeze. Do not use any of these products at temperatures below 45 degrees Fahrenheit. Apply all products to dry surfaces only and do not apply products when they will be subjected to rain or heavy dew before they have had enough time to dry (Check Product Data Sheets). Do not thin any products unless specifically stated within this application specification manual.

#### **STEP 1:**

#### **VISUAL INSPECTION and REPLACEMENT of DAMAGED BUILDING MATERIALS**

The substrate to be coated must be in **SOUND** condition. Physically inspect the surface area for missing or damaged building materials. Replace and/or repair all damaged areas back to sound and solid condition.

#### **STEP 2: TRENCHING**

(for below or application to ground level) Trench perimeter of the structure from 4 to 6 inches below ground level. Trench far enough away from the structure so that exposed area can be cleaned without interference.

### **STEP3: PRESSURE CLEANING**

High Pressure Blast entire wall surface with at least 1500 P.S.I. of pressure using a water and chlorine solution (approximately 1 quart chlorine to 5 gallons of water). Thoroughly remove all dirt, oil, grease, residues, mold, mildew, algae and any other surface contaminants. Severe mildew requires a stronger concentration of chlorine. When walls are completely cleaned, rinse with water only. Let wall surface dry at least 12 hours before continuing. **ELASTOPRIME™, FINAL FINISH™, DURA FINISH™** and **DURACOTE™** all have excellent mildew resistance, but **WILL NOT** kill mildew already on the surface.

#### **STEP 4: REPAIRING SURFACE & PATCHING IMPERFECTIONS**

After surface has thoroughly dried, Patch and Caulk all cracks, crevices, fractures, holes, valleys, voids, etc., with **THERMAPATCH™**. Use a trowel or stiff brush to apply. Multiple coats are better than one thick coat, if possible. The thicker **THERMAPATCH™** is applied the longer it will take to dry. Wait at least 4 hours before applying a second coat of **THERMAPATCH™**. Preferably, let final application dry for 24 hours before continuing. **THERMAPATCH™** dries from surface down, so be careful when working around a caulked area since it

may only be "skin dry." There is no problem coating over **THERMAPATCH™** even if it is not completely dry, since it is a high solids material.

**Note 1:** **THERMAPATCH™** allows minimal shrinkage, but the thicker it is applied the more it will shrink. Check **THERMAPATCH™** after 24 hours to determine shrinkage level.

**STEP 5:**  
**PRIME COAT (If applicable) –**  
(Otherwise proceed to Step 6)

**ELASTOPRIME™** is required on chalking and poorly conditioned surfaces. Apply as follows: Apply **ELASTOPRIME™** using either a) a brush, b) a roller with a minimum one inch nap, or c) an airless sprayer with 3,000 psi minimum and no less than a .025 tip. Apply the **ELASTOPRIME™** at a rate of 50 –150 square feet per gallon covering the entire wall surface. *Spread rate may vary depending on porosity of surface.* Preferably, let **ELASTOPRIME™** dry 12 hours before continuing.

**NOTE:** **ELASTOPRIME™** can be used for spot priming.

**STEP 6:**  
**FIRST COAT of FINISH TOP COAT**

Be sure entire surface is clean and free of all moisture. If priming was required, be sure the entire area to be coated is primed, if not, then spot prime. Apply **FINAL FINISH™**, **DURA FINISH™** or **DURA COTE™**. using either a) a brush, b) a roller with a minimum one inch nap, or c) an airless sprayer capable of ¾ to 1 GPM or more, with 3,000 psi minimum and no less than a .027 tip for **FINAL FINISH™** and **DURA FINISH™** and a .017 to .020 tip for **DURA COTE™**.

Apply the first coat of **FINAL FINISH™**, **DURA FINISH™** and **DURA COTE™** at a rate shown under **MATERIALS ESTIMATE**. Spread rate may vary depending on whether the surface was primed and also how porous, rough or uneven the surface is. Let dry at least 12 hours before continuing.

**STEP 7:**  
**SECOND COAT of TOP COAT**

Be sure entire surface is clean and free of all moisture. Apply **FINAL FINISH™**, **DURA FINISH™** or **DURA COTE™** as outlined

under Step 6. Let dry at least 24 hours before your Final Evaluation.

**STEP 8:**  
**FINAL EVALUATION**

At this time a detailed evaluation of the completed job will determine the quality of the workmanship and whether strict application specifications have been met. Be sure to check that all wall areas are completely coated including under permanently placed wall items (gutters, fascia, shutters, etc.).

Divide wall into 100 or more square foot sections and randomly check one spot in each section for a dry film thickness of at least 10 mils (13 mils minimum if **PRIME COAT** was applied). Remember to touch up the penetration made by the dry film thickness gauge. If specifications have not been met, determine how much material will be required to meet specifications and recoat. Check dry film thickness again until specifications has been met.

**Note 1:**

Be sure to apply product to properly primed and sound exterior walls. When applying systems to concrete walls and other type of materials be sure to consult a ProTek-USA representative to verify correctness of coating procedures. On concrete applications, **ELASTOPRIME™** may be substituted with another concrete sealer – the performance and insulating properties of the coating system will remain the same.

**Note 2:**

Insulating value of the systems is achieved through a combination of the various thermo-physical properties of the coating systems, specifically very high **REFLECTIVITY** of 81% to 83%\* and very high **EMISSIVITY\*\*** of 93% to 94%\* (78% and 85%, respectively for **DURA COTE™**) for white and slightly less for light earth tones and pastels.

\* *Independent Laboratory Results*

\*\**EMISSIVITY is the ability of a product or surface to re-radiate absorbed heat into the atmosphere.*