



ProTek-USA

Solutions for **T1-11** siding problems
Lasting Good Looks and Material Failure Protection



**"GREEN" Coating
Products**

T1-11 plywood siding was used extensively in moderate and market priced housing and commercial buildings during the building boom of the 70's and 80's. When properly installed, flashed and **sealed** against the weather, T1-11 has been a cost-effective material in many climates.

In general, however, the use of T1-11 siding to hold down construction costs frequently resulted in the attempt to hold down other costs as well, including those necessary to properly seal and finish the exterior walls. As a result, the **exteriors of many buildings sided in T1-11 began to delaminate** and experience other forms of premature material failure. These types of problems eventually caused the once popular material to be disregarded in the construction industry.

The key to **successfully maintaining T1-11 is proper sealing**. For new construction, the sealer coatings can be applied to the siding as it is installed. For older surfaces, deteriorated plywood must be repaired, prior to sealing, in accordance with specifications issued by the *American Plywood Association*, or replaced if it is not repairable.

Once the surface has been properly prepared, application of a solvent - based primer on new T 1-11 and **ProTek-ELASTOPRIME™** on previously painted T 1 -11, followed by **ProTek-DURAFINISH™** can provide both lasting good looks and protection against material failure.

ProTek-ELASTOPRIME™ is water based transparent, acrylic, elastomeric, waterproofing adhesive, and bonding, primer sealer that contains no fillers or pigments. This primer is designed to remedy and prepare chalking and/or poorly conditioned surfaces for a finish coat, revitalizing and strengthening the surface to which it is applied. It prevents cracking, efflorescence, peeling and segregation.

ProTek-DURAFINISH™ is a highly engineered, unique combination of proprietary solar-reflective ceramic compounds suspended in a hybrid emulsion of acrylic-urethane resins in water.

This low V.O.C. coating uses the best elastomeric specialty polymers and highest quality ceramics available on the market. **ProTek-DURAFINISH™** is characterized by excellent adhesion to most substrates, high weather resistance and UV stability. **ProTek-DURAFINISH™** was formulated to give significant reflective qualities (immune to dust and dirt buildup due to its SMOOTH finish) combined with inherent flexibility and exceptionally long life on interior and exterior applications and provide both **moisture and radiant heat protection**. In combination with **ProTek-ELASTOPRIME™**, it will fill and seal cracks up to 1/16" of an inch in width. The acrylics provide a tough skin, stopping moisture penetration.

ProTek-DURAFINISH™ ceramic compounds provide protection against the sun's radiant heat. When the insulative equivalent is combined with the reflectance properties in **DURAFINISH™**, the comparable R-Value may be as high as R-24.

The reflective compounds keep the exterior surface and the innerplys of the T1-11 noticeably cooler. As a result, expansion that contributes to the delamination and warping of the plywood will either be eliminated or kept to a minimum. The ceramics will also produce a significant reduction in summer cooling costs, especially for south-facing units.



Additional product description, application instructions, and performance characteristics are presented in the attached **Technical Information Sheets**.