KLAUER
MANUFACTURING CO.

KLAUER STEEL SIDING

SHAKE AND SHINGLE, STEEL FASCIA, STEEL RAIN-CARRYING SYSTEMS AND ACCESSORIES

GENERAL ARCHITECTURAL SPECIFICATIONS

Klauer Manufacturing Company steel siding and accessory products are manufactured in a wide range of colors for residential and commercial exteriors. With steel siding from Klauer Manufacturing Company, you get the strength of steel and the durability of our exclusive Klauer Classic, Klauer Elite and Klauer Prestige coatings. Because of their toughness and UV, chemical and heat resistance, they are guaranteed not to rust, crack, blister, chip, peel, flake or fade.

Materials

Steel siding and accessories are made from a nominal thickness of .017 galvanized coated steel complying with ASTM A653. Material is designed for markets requiring roll-form ability and, as a result, the steel substrate is a low-carbon alloy designed to take a 2T bend radius. The chemical and mechanical properties of the steel are detailed in Addendum I. ASTM standards have been approved for use by government agencies.

Manufacturing Specifications

A. Siding panels will contain weep-hole spaces approximately every 12-3/4" in the leg of the panel bottom to allow condensation and water vapor to be released from the wall. The nailing hem of the panel shall be approximately 3/4" and contain nailing holes uniformly spaced approximately 1/8" from the edge and approximately 1-1/4" on center to allow for the expansion and contraction of the siding wall.

B. The coating applied to the substrate shall be a roll-coated paint system designed for use with roll-form machinery. Specific data regarding weatherability and other performance specifications are detailed in the following addendums.

C. Klauer Manufacturing Company uses domestic steel sources using a minimum of 70% recycled steel.

Characteristics of the Finish

Klauer Classic and Klauer Elite utilize unique texture technologies that provide low-glare, warm appearances. Klauer Prestige is finished with a woodgrain-painted overlay and then sealed with a protective clear coat, capturing the look of real cedar.

Galvanized Steel Core – corrosion-resistant galvanized steel provides strength and durability. *Pretreatment Layer* – properly prepares the raw steel to receive the next three layers of finish. *Corrosion- Inhibitive Primer Layer* – applied to the solid-steel core for corrosion protection. *Water-Resistant Backer Layer* – applied to the back for added corrosion protection.

Klauer Classic, Klauer Elite and Klauer Prestige deliver a consistent color application, ensuring a consistent siding color throughout your siding job. These paint systems provide a finish that is resistant to harsh weather and carry a limited-lifetime 35-

Addendum I

CHEMICAL COMPOSITION AS DETAILED BY ASTM A653	
Carbon (max.)	.015 percent
Manganese (max.)	.600 percent
Phosphorus (max.)	.035 percent
Sulfur	.040 percent

TYPICAL PHYSICAL PROPERTIES OF STEEL	
Tensile	45–60 max. KSI
Yield	33 min. KSI
Elongation	30–35 percent KSI

SPECIFICATIONS	TEST		RESULTS
ASTM D-523	60° Specular Gloss	10–80	Gardner 60° meter or equivalent
ASTM D-3363	Pencil Hardness	H – 3H	No break in the film
ASTM D-4145	Coating Flexibility	1 – T to 2 – T	No pickoff with Scotch® #610 tape
ASTM D-2794	Reverse Impact, 60–80"	Passes	No pickoff with Scotch #610 tape
ASTM G-53	Q.U.V. Weatherometer, 1,000 hours	Passes	No objectionable chalking per ASTM D-4214, color change per ASTM D-2244 or blistering per ASTM D-714
ASTM D-2247	Humidity, 1,000 hours at 100°F and 100% Humidity	Passes	Less than 5% No. 8 blisters
ASTM B-117	Salt Spray, 1,000 hours, 5% Salt Solution	Passes	Less than 5% No. 6 blisters and less than 1/8" creep or tape off from the scribe per ASTM D-1654
ASTM D-2244-89	45° So. Florida Exposure, 35 Years, Color Retention	Passes	No objectionable color change
ASTM D-4214	45° So. Florida Exposure, 35 Years, Chalk Resistance	Passes	No objectionable gloss loss or chalking

MANUFACTURED IN THE U.S.A.

Dura Coat PRODUCTS
An Axalta Coating Systems Company