



Technical Details of the FLEX-BARK system



Overview: FLEX-BARK is a product that is produced from a flexible polyurethane elastomer system. Polyurethane is one of the most versatile and high performance polymer that is available — Polyurethane can be a coating, a foam, a plastic and an tough elastomer (is in the case of FLEX BARK). FLEX BARK was originally patented by the principles of Replications Unlimited at a previously owned company and was designed actually from a high performance spray applied roofing system and a truck bed liner system. So it is

tough, tear and damage resistant and can be used in exterior or interior applications. Replications Unlimited has produced molds from of over 18 types of trees and the FLEX-BARK system provides extremely accurate reproductions of texture and coloring of a real tree.

TECHNICAL DETAILS:

MATERIAL COMPOSITE: POLYURETHANE ELASTOMER / Flexible “RUBBER LIKE” properties. Very flexible

TYPICAL THICKNESS:

MINIMUM THICKNESS: 1/8” (of the thinnest section of the bark texture.)

THICKNESS OF THE PATTERN: THE DEPTH VARIES WITH TREE BARK TYPE. TYPICALLY IS 1/8” - 1”. ++

SIZE: VARIES WITH TREE TYPE. TYPICALLY 3-4 FT IN WIDTH AND 8-11 FT IN LENGTH. ++

EXTERIOR PERFORMANCE: THE FLEX BARK CAN BE USED FOR EXTERIOR TREES OR IN EXTERIOR INDIAN WIGWAM / LONGHOUSE APPLICATIONS. THE SYSTEM IS EXPECTED TO PERFORM 15+ YEARS.

FIRE PROPERTIES: The FLEX-BARK system is available in a standard (non fire tested) version and a Fire Rated version.

CUTTING METHODS: The FLEX-BARK is a tough system and can be cut with utility knife (may take multiple cuts to cut through the material) or a jig saw. It is a rubber like system

ADHESIVE: Typically the only adhesive that should be used to adhere the FLEX-BARK to itself or to a substrate is a polyurethane type material. Specifically PL Polyurethane Adhesive (Home Depot / Lowes) is one acceptable system and another brand is Sikaflex Adhesive 252.

++ SEE THE FLEX-BARK SPECIFICATION OF THE SPECIFIC BARK PATTERNS FOR THE THICKNESS (DEPTH) AND SIZE (W X L)