

Composeal LIQUID BLACK GOLD

LIQUID APPLIED

ELASTOMERIC CRACK ISOLATION MEMBRANE

PROVIDES SUPERIOR CRACK ISOLATION UP TO 3/8" FOR
PROTECTING THIN SET TILE INSTALLATIONS

◆ PROPERTIES

- One Coat and Done Crack Isolation up to 3/8 "
- Exceeds High Performance ANSI 118.12 for Crack Isolation - over 1000% elongation
- Cures in 4 - 6 hours (at 70°, 50% R.H.).
- Can be easily applied with trowel, paint brush or roller.
- Interior and exterior
- Adheres to all common surfaces including brick, cement backer board, concrete, exterior grade plywood (interior only).
- Low VOC
- Not for use in applications requiring waterproofing.

◆ DESCRIPTION

Composeal Liquid Black Gold is a thin, load bearing liquid applied membrane. Formulated using a single component modified latex with excellent elongation properties and high strength. The membrane is installed in a semi-fluid state and can be applied to practically any form or irregular shape (i.e. base flashings, protrusions, walls, etc.). Composeal Liquid Black Gold will inhibit transferring of shrinkage and non-structural cracks caused by horizontal movement, when tile and stone finishes are used.



Available in 1 gallon
and 3 1/2 gallon pails.

◆ INSTALLATION

SURFACE PREPARATION

All surfaces must be between 40° F (4° C) to 95° F (35° C) and structurally sound (deflection not to exceed 1/360 of the span), dry, clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminants which inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108 AN-2 "General Requirements for Sub-surfaces." All substrates should be plumb and true, surface deviation should not exceed 1/4" in 10'. Patching, leveling or areas requiring a mortar bed should be prepared using underlayers. Movement (expansion) joints should be provided to comply with TCNA method EJ 171. If product has separated, product should be mixed with a slow mixing drill, not incorporating air. Some separation may occur upon standing, which has no reflection upon the quality of the product.

◆ PREPARATION

JOINTS AND CRACKS

Pre fill all substrate cracks, cold and control joints with modified thin set, 100% Silicon or polyurethane caulking.

CEMENT SUBSTRATES

All concrete substrates should be cured a minimum of 14 days. Steel trowel floors to a fine broom finish. Keep Composeal Liquid Black Gold a minimum of 6 – 8 inches from the wall and all penetrations through the concrete surface. This will allow venting of any retained moisture.

CEMENT BACKER BOARD

Follow cement board manufacturer's instructions. Tape and fill joints per manufacturer's directions and "Preparation" section of this data sheet.

PLYWOOD AND OSB SUBSTRATES

All plywood installations should be interior areas only and protected from exposure to moisture. Cement backer boards may not be required when the wood substrate meets or exceeds the deflection requirements as specified by TCNA and the Marble Institute of America. Compositite will provide our standard warranty on tile applications over Composeal Liquid Black Gold using OSB or plywood substrates meeting the above requirements.

◆ MEMBRANE APPLICATION

Allow any recently prepared areas to dry. When installing Composeal Liquid Black Gold using TCNA method #F125A Full Coverage: apply a liberal coat of Composeal Liquid Black Gold Membrane. When installing Composeal Liquid Black Gold using TCNA method #F125 Partial Coverage: apply a liberal coat of Composeal Liquid Black Gold, the diagonal dimension of the tile, each side of the crack. Periodically, check the film thickness with a wet film thickness gauge, wet coat should be applied approximately 30 to 35 mil. wet thickness, at a rate of 80 s/f per gallon. Total membrane thickness after drying should be between 14 to 17 mil.

MOVEMENT (EXPANSION) JOINTS

Designed to experience movement, should be provided to comply with TCA method EJ 171.

◆ CERAMIC OR STONE APPLICATION

Ceramic or stone tile can be installed immediately after the Composeal Liquid Black Gold membrane has dried to the touch. Residual tack (stickiness) is common. To help lessen tack, lightly "dust" the surface with dry thin set. Compositite recommends a quality latex modified thin set portland cement. Follow the directions on thin set container for proper application.

◆ CURING

Provide adequate protection for Composeal Liquid Black Gold membrane, even if covered with a ceramic or stone tile application, against exposure to rain, or inclement weather for a minimum of 24 hours at 70° F (21° C) and 50% R.H. Under normal drying conditions, may be walked on after 6 hours.

◆ CLEANING

Clean tools, hands and equipment with warm soapy water before the material has dried. Material that has dried is difficult to remove, remove while fresh.

◆ **COVERAGE** (Approximate) 1 gallon unit 80 sf 3 1/2 gallon unit 280 sf

◆ LIMITATIONS

Do not use Composeal Liquid Black Gold membrane below 40° F (4° C); do not allow membrane or substrate to be below 40° F (4° C) for the first 72 hours after application. Cool and wet weather may delay the set times of the Liquid Black Gold membrane. Do not leave Composeal Liquid Black Gold membrane unprotected or exposed to weather for more than 30 to 72 hours. Do not use membrane as an adhesive or wearing surface, membrane must be covered with ceramic or stone tile. Maximum amount of moisture in the concrete substrate using a calcium chloride test should not exceed 5 lbs/1,000 f t².