BITUTHENE® Deck Prep Data Sheet

Low viscosity surface treatment used to level and repair rough concrete decks prior to installing Bituthene waterproofing and detail areas

Product Description

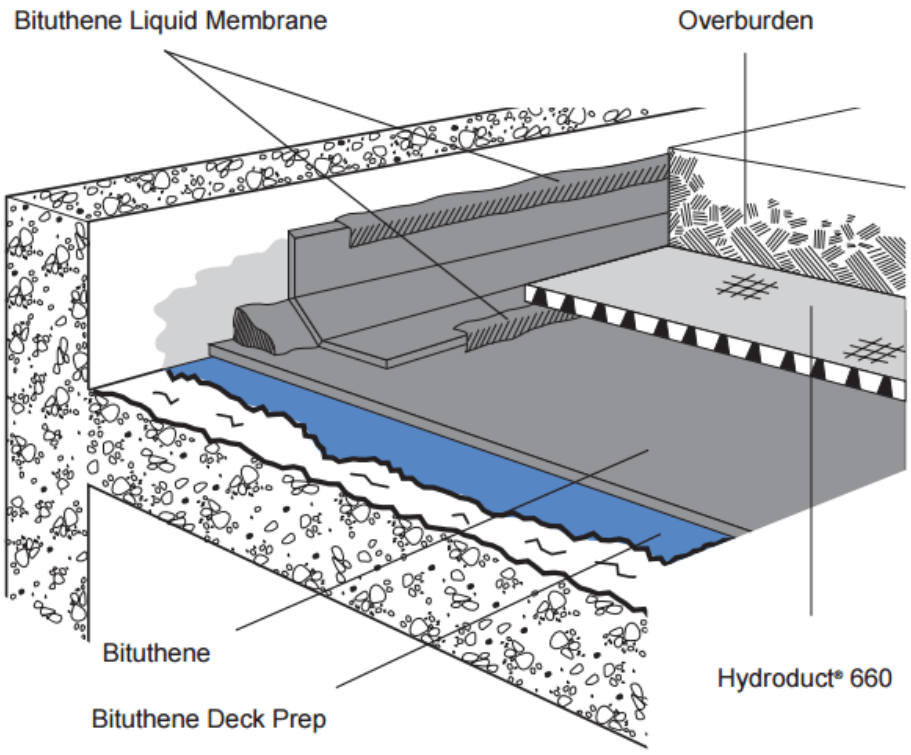
BITUTHENE® Deck Prep is a low viscosity, two component, asphalt-modified urethane coating. It is used to level and repair rough concrete decks to which BITUTHENE® waterproofing membranes will be applied.

BITUTHENE® Deck Prep may also be used for detail areas as part of GCP waterproofing systems.. The VOC (Volatile Organic Compound) content is 10 g/L.

Architectural and industrial maintenance regulations limit the VOC content in products classified as architectural coatings. Refer to Technical Letters for the most current list of allowable limits.

Product Advantages

- Flexible—cures to rubber-like coating
- Low viscosity—easy to use, self leveling compound
- Fully adhered—seals to concrete substrate to provide temporary waterproofing layer
- No primer necessary—apply directly to dry, unprimed concrete



Use

BITUTHENE® Deck Prep is ideally suited as a:

- Leveling agent for rough concrete decks for new and rehab construction
- Non-structural repair material for defects in concrete decks for new and rehab construction
- Temporary waterproofing layer when used as part of the BITUTHENE® Deck System
- Primer layer for BITUTHENE® waterproofing membranes
- Details area as part of GCP waterproofing systems.

Compatibility

BITUTHENE® Deck Prep is completely compatible with all other BITUTHENE® products, PREPRUFE® products and with existing asphalt or coal tar-based waterproofing materials. It is also compatible with cured silicone and polyurethane sealants. It is not compatible with creosote, pentachlorophenol, linseed oil or polysulfide-based sealants. For further compatibility qualifications consult BITUTHENE® Technical Letters 4 and 10.

Application Procedures

Safety, Storage and Handling Information

BITUTHENE® products must be handled properly. Vapors from solvent based primers and mastic are harmful and flammable. Protection Board Adhesive is extremely flammable. For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered. SDS (Safety Data Sheet) and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the SDS before use.

Surface Preparation

All surfaces must be dry and free from dirt, grease, oil, dust or other contaminants. BITUTHENE® Deck Prep may be applied at temperatures of 25 °F (-4 °C) or above. Below 40 °F (5 °C), store in a warm place before application.

Mixing

Add the entire contents of the Part B container to Part A and mix for 3 to 5 minutes until uniform. Part A is black and Part B is clear. Take care to scrape material from the side and bottom of the containers to ensure thorough mixing. A low speed (150 rpm) mechanical mixer with flat paddle blades is required. Do not apply any material if streaks can be seen due to insufficient mixing.

Once mixed, BITUTHENE® Deck Prep should be poured directly onto the deck and spread with a squeegee over all areas that are to be waterproofed with BITUTHENE® waterproofing membranes. Apply BITUTHENE® Deck Prep within one hour after mixing. More time may be available at lower temperatures, however, at high temperatures thickening and curing may be faster. Material that has cured should be discarded.

BITUTHENE® Deck Prep should be applied in sufficient thickness to smooth all rough areas and fill all voids. The coverage rate is approximately 25 ft^2/gal (0.6 m^2/L) at 1⁄16 in. (1.5 mm) thickness. On very rough surfaces, the coverage could be lower. Apply material in thicknesses not to exceed ½ in. (13 mm) per coat. BITUTHENE® Deck Prep will adhere to dry, unprimed concrete. The product will support light foot traffic after an overnight cure. For interior applications, it may remain tacky even after fully cured. Apply BITUTHENE® waterproofing membranes directly to cured BITUTHENE® Deck Prep. No priming or conditioning is necessary.

Cleaning

Use appropriate personal protective equipment, and clean tools and equipment with mineral spirits before BITUTHENE® Deck Prep has cured. Mineral spirits is a combustible liquid and should be used only in accordance with the manufacturer's safety recommendations. DO NOT USE SOLVENTS TO CLEAN HANDS OR SKIN.

Supply

BITUTHENE® DECK PREP (PARTS A & B) PROPERTY	VALUE
Unit size	4 gal (15.1 L)
Weight per unit	44 lbs (20 kg)
Units per pallet	24

Physical Properties

PROPERTY	TYPICAL VALUE	TEST METHOD
Part A Color	Black	
Part B Color	Clear	
Mixture of Parts A and B Color	Black	
Solids content	100%	ASTM D1644
Elongation	250% minimum	ASTM D412
Peel strength	5 lbs/in. (880 N/m) minimum	ASTM D903
Flexibility, 180° bend over 1 in. T(25 mm) mandrel at -25 °F (-32 °C)	Unaffected	ASTM D1970

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ca.gcpat.com/solutions/products/bituthene-post-applied-waterproofing/bituthene-deck-prep