

Butyl Primer

Solvent-based Butyl Primer

Features



High adhesion



Rapid drying



Compatible with multiple coatings



Multiple models available



Our butyl-based primer is a liquid adhesive formulated from a blend of butyl elastomer, unsaponifiable resin, stabilizers, and organic solvents. This product is specifically designed for cold application on steel pipelines, Broussonetia papyrifera components, and various equipment. It is suitable for use on both newly installed pipe bodies and the smooth or rough surfaces of repaired pipelines.

Description

The primer should be applied prior to the use of butyl-based products such as 2-Ply Inner Wrap PE, 3-Ply Inner Wrap PE Tape, PP fiber-reinforced woven adhesive tape (BR), aluminum foil butyl tape, and polyethylene welding tape. Its primary function is to enhance the bonding strength between the tape and the steel surface, while also improving resistance to cathodic disbondment. The product exhibits excellent resistance to acids and alkalis, as well as anti-aging properties, enabling it to withstand long-term oxidation and effectively enhance corrosion protection capabilities.

Our butyl primer can be applied either by machine or with a hand brush. The appropriate model should be selected based on the specific corrosion-resistant surface scenario. This product complies with AWWA standards.

Storage and Shelf Life

This product should be stored in a cool, dry, and well-ventilated area away from heat sources, sparks, and open flames. During transportation, it must be protected from sunlight, rain, and extreme temperatures. Invert is strictly prohibited. Store at temperatures below 30°C (86°F) with humidity not exceeding 75%. When upright and unopened, the shelf life is 12 months from production date (re-inspection required after expiration).

Properties	1019	1027	Test Method
Solvent	heptane	Petroleum distillates & Toluene	-
Base	Rubber/Resins	Rubber/Resins	-
Solids Content	20%	30%	ASTM D2697
Viscosity	Thin Syrup	Medium Syrup	ASTM D7279
Density	0.76kg/dm ³ (6.34lb/gal)	0.86kg/dm ³ (7.18lb/gal)	ASTM D1475
Flash Point	-9°C (15.8°F)	4°C (39.2°F)	ASTM D92
Surface Drying Time	3minutes	5minutes	ASTM D1640
Coating Amount	10m ² /l (407.5ft ² /gal)	7.5m ² /l (306ft ² /gal)	ASTM B809
Maximum Service Temperature	85°C (185°F)		ASTM D3359
Color	Black	Black	-
Package	19.5L (5.15gallon)	18.9L (5gallon)	Customizable

General Requirements for Applications

General Requirements: The area to be coated must remain clean, dry, and free of dust. All contaminants (including mill scale) must be removed.

Degreasing Treatment: Use toluene or heptane with lint-free cloth and other tools to degrease the surface.

Special Treatment: For irregular shapes and concave surfaces, apply our Butyl filler after coating with a solvent-based Butyl Primer.

Preparation of solvent-based bitumen primer should be gently hand mixed before application, and do not use spark generating power tools.

Before Solvent-based Butyl Primer, simply shake or stir until uniform before application. If too thick, add a solvent to dilute it. Do not use tools that produce sparks.

Application Instruction

Step 1

The surface treatment standard should be ST2/SSPC-SP2 (Manual Tool Cleaning). All loose material should be removed thoroughly and then the residue should be cleaned with a lint-free cloth using toluene or heptane.

Step 2

It does not matter when the working surface is wet, but there must be no drops or continuous water film.

Step 3

Standard brushes, rubber rollers or airless spraying equipment are usually used to apply the coating directly from the barrel. Keep it uniform and leak-free.

Step 4

Apply tape with butyl rubber adhesive (BR) as needed or proceed with additional procedures.

Friendly Reminder

1. This product contains flammable solvents. Keep away from open flames or direct heating. Before use, fire safety preparations must be made (dry powder fire extinguishers and other equipment).
2. Always provide adequate ventilation when in use and do not use in enclosed areas. Wear appropriate protective clothing. Any skin contamination can be removed with water and soap.

For more technical inquiries, please visit our website.

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