

Klingstone®

Technical Data Sheet

Klingstone 40

Bunker Stabilizer

Description

Klingstone 40 is a low viscosity, single component, moisture curing liquid designed to stabilize soils. It is being used extensively on golf courses to form an impermeable barrier to stop water and force it to the drain, keeping bunker sand pristine and playable. This stabilized soil layer creates a barrier that protects the bunker sand from contamination, stops erosion of the faces, and stops pests from burrowing through the bunker sand and into the soil beneath.

Application

Klingstone is pumped directly from the drum to the bunker where it penetrates a ¾" layer of sand, reacts with moisture and cures to provide a firm, durable barrier. When Klingstone cures, it becomes an inert substance that ensures efficient water drainage. Typical coverage is 20 square feet per gallon. Fresh bunker sand is installed after curing overnight.

Technical Information

Typical Properties	
Appearance	Amber Liquid
Viscosity	40 cps
Weight per gallon	9.7 pounds
Odor	Mild
% Solids	100
Cure Time	24 Hours
USDOT Shipping Data	UNREGULATED CLASS 55

SDS should be read before using Klingstone® products.

Klingstone, Inc.

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Application Equipment: Contact Klingstone, Inc. for equipment recommendations for the particular application and conditions.

Personal Protection: *Read SDS for complete details.* For professional use only. Avoid breathing vapors – use in well-ventilated area only or use self-contained respiratory protection in confined spaces. Avoid skin contact – wear protective gloves. Avoid eye contact – wear eye protection. Do not ingest.

First Aid: In case of eye contact, flush with large amounts of water and get medical attention. For skin contact, wipe excess liquid from skin and wash with soap and water. If breathing is difficult, give oxygen and get medical attention.

Safety Precaution: During the chemical reaction, polyurethane products release heat via an exothermic reaction. When polyurethane products are applied in substantial quantities, exothermic reactions may generate enough heat to become a fire hazard. All necessary precautions should be taken to avoid the creation of a situation in which a fire could occur. Contact Klingstone, Inc. for further information.

Storage and Shelf Life: Product is moisture sensitive. Store in original sealed containers at temperatures between 60°F and 90°F (15°C-32°C). Opened containers must be handled properly to prevent moisture contamination. Shelf life is 12 months when properly stored. During application, product temperature should be at temperatures between 70°F and 90°F (21°C-32°C) in order to be at a suitable viscosity for pumping.

Clean-Up of Spills or Leakage: With adequate ventilation and appropriate personal protective equipment, cover the spill area with absorbent material such as clay, or vermiculite and transfer to metal waste containers. **DO NOT RESEAL CONTAINER AS REACTION OF CONTAMINATED MATERIAL CAN CREATE PRESSURE.** Wash area with decontamination solution (5-10 % solution of sodium carbonate). Dispose of waste in accordance with Federal, State and local regulations.

Shipping Information: Shipping Class USDOT Class 55; USDOT Hazard Classification: Non-Hazardous.

Warranty Information: Klingstone, Inc. warrants its products against defects in manufacturing, arising within a period of six (6) months from the date of manufacture of the product(s) at issue. The sole remedy of any party for such defective products shall be the obligation of Klingstone, Inc. to provide substitute products in an amount equal to the amount of defective products supplied. This limited warranty does not include any transportation charges or costs of installation or any liability for direct, indirect, consequential, or punitive damages or delay, whether or not the undersigned has been advised of such claims. Except for the foregoing Limited Warranty, the Products are sold “as is,” WITHOUT WARRANTY of any kind. Klingstone, Inc. specifically disclaims all other express or implied warranties, including: i. Implied warranty of merchantability, and ii. Implied warranty of fitness for a particular purpose.

Physical Property Values: PLEASE NOTE, this Technical Data Sheet is intended as a *general guide* to provide assistance regarding typical physical characteristics of the product. However, the specific values are affected by various factors, including, but not limited to, ambient temperature, water temperature, humidity, water pH, reaction under confinement, and the presence of chemicals or debris in the reaction area. Applicators are encouraged to perform sample tests with the variables found on site to get the best possible indication of the product’s physical properties for the specific job.

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