Klingstone PATHS
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Klingstone Paths Klear

Technical Data Sheet

DESCRIPTION AND APPLICATION

Klingstone Paths Klear is a clear, single component, solvent free, moisture-cure, aliphatic polyurethane binder. It is a multi-purpose, high-performance, moisture cure adhesive that can be used on a wide variety of substrates where good elastomeric properties are needed. Klingstone Paths Klear is applied as a liquid and, once cured, binds aggregate to create a firm, cohesive, yet permeable surface.

Reaction Profile	
Drying Time (Tack Free, 75° F, 60% relative humidity)	5-8 hours
Component Properties	
Color	Clear
Specific Gravity (74°F)	1.05
Viscosity (74°F), ASTM D-1638	750-1350 cps
% Solids	100%
Weight per gallon	9.436 lbs.
Typical Physical Properties	
Tear Strength, ASTM D624	565 lbs/in
Tensile Modulus, ASTM D412	74 ksi
Tensile Strength, ASTM D412	5000 psi
Elongation, ASTM D412	200%

*Values given are not intended to be used in specific preparation

RECOMMENDED HANDLING INSTRUCTIONS

-Use only in well-ventilated areas. Avoid breathing polyisocyanate vapors. Do not heat or spray these materials. Use only in exterior applications. Wear full-face respirators specifically recommended for polyisocyanates.
-Do not leave containers open.
-Wear chemically resistant rubber gloves, safety glasses, and protective clothing covering skin.
- Avoid skin exposure to liquids and vapors. Wear Tyvek or similar disposable protective clothing to protect arms and legs. Wear non-permeable gloves.
-In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
-In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
-If swallowed or comes into contact with eyes, seek medical attention immediately.
-Refer to handling document.

Liquid polyurethanes are moisture sensitive. If the material is exposed to moisture, including moisture from the air, it will release CO^2 gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death. When the product is exposed to moisture, it will cause foaming, which will result in a weaker material.

SAFETY

Please refer to the SDS for all appropriate health and safety information.
Since Seller exercises no control over Buyers' application or use of the product manufactured by Seller ("product") and since materials used with the product may vary, it is understood that:
• THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MECHANTABILITY OR FOR ANY PARTICULAR PURPOSE.)While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Since all urethane systems are organic, they will burn.
• Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic polyurethane systems manufactured or sold by Seller.
• The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

Application Equipment: Contact Klingstone Paths, LLC 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 Paths, LLC 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 Paths, LLC 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 Paths, LLC 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 Paths, LLC 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.