GSM Construction Chemicals

ETHIO FLEX PS

Technical Datasheet

Product Description

ETHIO FLEX PS is a high-performance, two-component polysulphide sealant designed to cure and form a flexible, durable rubber seal with exceptional adhesion properties. It is engineered for sealing joints in a wide array of building and civil engineering structures, offering outstanding resistance to environmental factors, chemicals, and physical stresses. Its formulation allows it to bond effectively to various substrates including glass, metals, concrete, masonry, wood, and plastics, making it versatile for diverse sealing applications.



Recommended Uses

- Sealing of joints subject to movement in buildings and civil engineering structures such as superstructures, reservoirs, floors, basements, and subways.
- Suitable for applications requiring a durable seal against environmental and chemical exposure.

Features and Benefits

- Versatile Adhesion: Excellent adhesion to a wide range of building materials.
- Durability: Resistant to weathering, oils, fuels, water, UV light, ozone, and remains stable in the presence of alkalis and dilute acids.
- Flexibility: Maintains high elasticity, capable of withstanding repeated cycles of extension and compression without losing adhesion.
- Chemical Resistance: Offers exceptional resistance to chemicals, including jet fuels and aviation fuels.
- UV Resistance: Provides excellent protection against degradation from ultraviolet light.
- Non-biodegradable: Ensures long-lasting seal integrity in challenging environments.

Application Instructions

1. Surface Preparation: Ensure all surfaces are clean, dry, and free from any contaminants. Use a primer if necessary for optimal adhesion.
2. Mixing: Mix components A and B thoroughly in the ratio recommended by the manufacturer until a uniform color is achieved.
3. Application: Apply the mixed sealant using a gun or pouring method, depending on the product grade. Tool the sealant within its working time to ensure good contact with the substrate.
4. Curing: Allow the sealant to cure as per the product specifications before exposing to traffic or immersing in water.

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Storage and Handling

- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep containers tightly closed when not in use to prevent contamination and ensure shelf life.

Safety Precautions

- Wear appropriate personal protective equipment (PPE) including gloves and eye protection during mixing and application.
- Ensure adequate ventilation in the working area.
- In case of skin or eye contact, rinse thoroughly with water and seek medical attention if irritation persists.

Technical Support

GAST Solar Mechanics PLC offers comprehensive technical support for ETHIO FLEX PS, including assistance with product selection, application techniques, and safety measures. Our dedicated team is available to provide guidance and support to ensure the successful implementation of ETHIO FLEX PS in your sealing projects.

This technical data sheet for ETHIO FLEX PS provides essential information about its properties, applications, and safe handling practices, designed to assist professionals in achieving effective, durable seals in a variety of construction and engineering contexts.