

Smart Elasto Hybrid (All-In-1)

SPTBELHY
5 Kg & 20 Kg



Description

SMART ELASTO HYBRID (ALL-IN-1) is a single component, ready-to-use, water-based acrylic polymer. The excellent water, alkali, and efflorescence resistance of this product, in combination with its exterior durability and its ability to adhere to a variety of substrates, allow it to be used in many applications. It can be used for RC gutters and planter boxes, floor slabs, deck, wood siding/fences, external wall, flat roof, metal roof and even concrete structures. It can also be applied as a sealing solution to seal cracks on joint walls, ceiling and roofing.

ELASTO HYBRID (ALL-IN-1) cures to form a tough and seamless waterproofing membrane with excellent adhesion to most substrates.

Advantage

- Able to bridge crack up to 2mm.
- Waterproof.
- User friendly. Highly recommended for DIY purpose.
- High rate of water vapour transmission which permits moisture pass through paint film, without causing any blistering, peeling or flaking.
- Prevention of ravages of acid rain, freeze-thaw, sunlight and etc.
- Can withstand low foot traffic.
- Non-toxic

Usage

- RC gutter and planter boxes.
- Floor slabs
- Deck.
- Terraces and balconies.
- Wood siding/ fencing wall.
- Flat roof.
- Metal roof.
- Concrete structure.

Composition

Pigment	:	Titanium dioxide, inorganic pigment.
Binder	:	Acrylic polymer
Volume Solid	:	40%
Diluent	:	Water

Properties

Finishing	:	Egg-shell-like finish
Colour	:	Refer to Smart Colour
Theoretical Coverage	:	8m ² /kg
Curing Time	:	12 Hours
Recoating Interval	:	8 hours.
Elongation	:	410.1%
Tensile Strength	:	4.8N/mm ² (Equivalent to 48.9kgf/cm ²)
Adhesion	:	0.95N/mm ²
QUV Accelerated Weathering	:	No cracking.

Application Instruction

The substrate must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or any foreign contaminants which may inhibit adhesion must be removed from concrete surfaces by using wire brush, scabblor or other means. Where moss, algae, or similar growths have occurred, treatment with suitable chemicals should be carried after the initial cleaning process followed by further washing.

Ensure the surface is dry, then coat with two layers of Smart Elasto HYBRID (ALL-IN-1). To obtain better weathering properties, it is recommended to paint with two layers of Smart Cool Weather.

Surface Preparation

Surface must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease and wax.

Store Condition

Store in unopened and undamaged packaging in dry condition. Protect from direct sunlight.

Composition / Information on Ingredients

Component	% by wt
Emulsion Polymer	< 55%
Pigment	< 25%
Additive	< 2%
Water	<18%

Hazard Identification

Not classified

First Aid Measures

Emergency and first aid procedures :

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

Physical and Chemical Properties

Appearance / colour	: Viscous liquid (Refer to color card)
Solid	: <55%
Specific gravity @ 25oc	: 1.24
*Boiling point	: 100 oC
*Melting point	: 0 oC
*Vapour pressure (air = 1)	: >1
*Vapour density (101.3 kpa / air = 1)	: >1
Evaporation rate (n – butyl ether = 1)	: <1
Solubility	: Miscible with water
Odour	Mild
*Properties of water	

Fire Fighting Measures

CLASSIFICATION	: Not Combustible
*FLASH POINT	: NA
*EXPLOSIVE LIMITS (% BY VOLUME):	
• LEL	: NA
• UEL	: NA
FIRE EXTINGUISHING MEDIA	: Foam, CO2, Dry Powder, sand
FIRE FIGHTING PROCEDURES	: Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.
*properties of solvent used	

Accidental Release Measures

Personal precautions	:	Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.
Environmental precautions	:	Prevent the product from escape into soil, watercourses or drainage systems.
Cleaning methods	:	Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

Exposure Controls / Personal Protection

Respiratory Protection	:	Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
Ventilation	:	Sufficient ventilation should be provided during application.
Protective gloves	:	Chemically resistant gloves
Eye protection	:	Chemical splash-proof goggles or face shield

Stability and Reactivity

Conditions to avoid	:	Heat, spark, open flame and static charge build-up
Incompatibility (materials to avoid)	:	Strong oxidizing agents
decomposition products	:	Carbon monoxide and carbon dioxide

Toxicological Information

Skin contact	:	Prolonged and repeated contact may cause slight skin irritation.
Eye contact	:	Prolonged and repeated contact may cause slight temporary eye irritation.
Inhalation	:	Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting.

Effects of over exposure : High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lungs, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

Ecological Information

No ecological studies have been carried out on this product.

Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

Transport information

Road (adr)	:	Not Regulated
rail (rid)	:	Not Regulated
air (icao/iata)	:	Not Regulated
sea (imo/imdg)	:	Not Regulated

Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

Other Information

All information appearing herein is based on our present state of our knowledge. However the information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

Company Identification

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