

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

STA'-PUT® SPH-M is a spray grade contact adhesive with pressure sensitive properties. The superior bond strength properties and exceptional tack makes **SPH-M** an excellent choice for most permanent adhesive applications.

ADVANTAGE:

- Aggressive Grab Tack
- Quick Dry Time
- High Strength bonds
- Good Spray Pattern
- High Green Strength
- Excellent adhesion to many substrates
- Long Open Time
- Flatwork Applications (non-postforming)

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic Polymer
Solvent:	Organic Solvent*
Shelf Life:	1 year from Date of Manufacture**
Colors:	Clear/ Red
Flash Point:	N/A
Solids	30.0% ± 2.0%
Weight / Gallon	8.20 lbs/ gallon
VOC Content	166.5 g/L (EPA Method 24)
Open Time	60 minutes
Dry Time	2 - 5 minutes
Coverage	450 ft ² / gallon @ 2.5 dry grams/ ft ²
Formaldehyde	No urea formaldehyde added during adhesive manufacturing
<p>* Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage</p> <p>** The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall</p>	

APPROVED EQUIPMENT:

Automatic		
	BINKS	DEVILBISS
Spray gun	21,95A	AGX-550
Fluid Tip	63ASS	FX
Fluid Needle	263A, 763A	FX
Air Cap	66SD-3	24
Manual		
	BINKS	DEVILBISS
Spray gun	95, 2100	JGA-510, MSA-510
Fluid Tip	63ASS	FX
Fluid Needle	663A, 563A	FX
Air Cap	66SD-3	24

Air Atomization Pressure: 80 – 100 psi, Fluid Pressure: 10 - 15 psi
Hot spray Temperature: 120°F (93.3°C) maximum

DIRECTIONS FOR USE:

- Use only after careful consideration of the warnings, directions, and first aid instructions given. Do not thin.
- Surfaces to be bonded should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- For best results, adhesive and materials to be bonded should be 60°F (15.6°C) to 95°F (35°C) during application.
- Allow substrates to acclimate to room temperature for 48 hours before bonding.
- Spraying from 8 to 12 inches away, apply adhesive uniformly to both surfaces and cover each surface a minimum of 80%. Some porous surfaces may require two coats. 100% coverage is recommended for the edges.
- For typical applications a coating weight of 2.5 dry grams per square foot is recommended.
- Both surfaces must be allowed to dry before bonding. This will usually take from 2 to 5 minutes at room temperature under normal conditions. Heat and humidity, or cold weather can effect drying times. Surfaces are dry if adhesive is tacky, but no adhesive transfers to the hand when touched.
- Complete the bond within 60 minutes (under normal conditions) after the adhesive is dry. If the two surfaces don't grab immediately when brought into contact, they have dried too long.
- Position coated surfaces carefully before putting them together since no shifting is possible once contact is made.
- Bring surfaces together and immediately apply firm pressure over entire surface working from the center

to the edges. Apply a minimum of 30 psi uniform pressure over 100% of the area being bonded.

- Let bonded parts cure for at least 72 hours before exposing to direct sunlight of temperatures over 150° F (65.6°C).
- Do not use on some vinyls or polystyrene foam. Some vinyls contain plasticizers, which can, over time, soften and dissolve the bond, or bleed through/dicolor. When in doubt, or if product is to be used on vinyls, or other light colored materials, conduct compatibility testing on the product to be bonded before use.

ATTENTION:

- Empty container remains hazardous until all flammable vapors, which may explode upon ignition, are gone from residue and container. Observe all labeled hazard precautions. Do not cut, puncture, or weld while hazard exists.
- Do not reuse empty container. Recycle, or dispose of, according to all federal, state, and local regulations. Follow solvent manufacture’s recommendations and instructions for safe handling.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY
USE ONLY WITH APPROVED EQUIPMENT**

EXCLUSION OF WARRANTY:

NOTICE TO PURCHASER:

INSTALL AS DIRECTED ON MIRACLE® PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD “AS IS.” EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE. DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from
Holcim Solutions and Products US, LLC.