

TUFF INDUSTRIES INCORPORATED

WATERPROOFING SOLUTIONS



ECONODEK



TECHNICAL

W
A
T
E
R
P
R
O
O
F
I
N
G

APPLICATION INSTRUCTIONS FOR SIKA SARNACOL 2170R CONTACT ADHESIVE

Description

Sarnacol®-2170R Contact Adhesive is a two side application solvent based adhesive designed to withstand plasticizers in PVC membranes.

Suggested Uses

Sarnacol®-2170R adheres Tuff Branded PVC products to wood, concrete, metal, masonry other re-cover boards and decking materials. Sarnacol®- 2170R may be used on any clean, dry, level, porous, crack free, solid surface clean from contaminants. All concrete substrates must be fully cured and of sound construction, free from spalling, dusting, cracking or any deleterious material that may reduce or prevent proper bonding.



Application Conditions

Sarnacol®-2170R should be applied at temperatures of 4° C (40° F) and rising. Sarnacol®-2170R should not be applied at temperatures below 4° C (40° F), and should be stored at 21° C (70° F) for at least 48 hours prior to installation at temperatures below 13° C (55° F). Sarnacol®-2170R must not be used if freezing conditions are expected during application and curing or if the temperatures are within 3° C (5° F) of the dew point. Test patches are recommended to determine optimum application rates.

Method of Application

Sarnacol®-2170R must be applied to both the substrate and the back of the PVC membrane using a solvent-resistant brush or roller. Application must be uniform and consistent with no skips or misses. Use care to keep adhesive from contaminating seams or any areas where hot air welding will be performed.

Issues arising from improper substrates, improper slope, substrate movement, deflection, synthetic filler plugs or plywood knots etc. are excluded from the Tuff warranty. Please refer to the written warranty for further information. The manufacturer or supplier of products not supplied by Tuff are responsible for assuring the compatibility and correctness for their use with Tuff PVC Membranes.

Method of Application (continued)

Apply Sarnacol®-2170R to the substrate at a rate of 2 - 2.5 m²/L (80 - 100 ft²/US gal.) and allow to dry. After the substrate adhesive has dried completely, apply Sarnacol®-2170R to the back side of the membrane at a rate of 4.9 m²/L (200 ft²/US gal.) and allow to become tacky (producing strings) when touched with a dry finger. Do not allow the adhesive on the back of the membrane to dry. Fold or roll the tacky coated membrane onto the previously coated dry substrate being careful to avoid wrinkles, working out entrapped air from between both surfaces. Press the bonded sheet firmly in place with a hand spreader or steel roller in two directions with applied pressure of 45 kg (100 lb.) Use a spreader or hand roller on verticals.

Coverage

The typical coverage rate for the following applications are:

Bareback membrane: 5.3 - 6.2 m²/L (57 - 67 ft²/US gal)

Feltback membrane: 4.1 - 4.6 m²/L (44 - 50 ft²/US gal)

Warning: Stir adhesive thoroughly before use.

Warning: Once adhesive is completely dry on both surfaces the installation should be stopped and the adhesive replaced with fresh adhesive.

Warning: Application on pressure treated plywood or lumber is not recommended.

Warning: Adhesive must not be used if freezing conditions are expected during application or curing.

Warning: Do not dilute the adhesive.

Important Coverage Information

Observe the installation instructions of the PVC membrane manufacturer. Temperature, relative humidity and dew point are three factors to take into consideration that will affect the performance of the adhesive. The dew point is the temperature at which the air can no longer contain water vapors and moisture condenses on surfaces. It is critical to keep your substrate temperature above the dew point at all times during the application and curing.

Handling Instructions

Sarnacol®-2170R Contact adhesive contains ingredients that could be harmful if mishandled. Contact with skin and eyes should be avoided and recommended personal protective equipment should be used.

PROPOSITION 65 WARNING

This product contains chemicals known in the State of California to cause cancer and birth defects or other reproductive harm.

Material Safety Data Sheets

Tuff Industries Inc. maintains material safety data sheets on all products. Material safety data sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Tuff material safety data sheets should be read and understood by all your supervisory personnel and employees before using Tuff branded products in your facility.

Recommended Storage

Contact adhesive stored indoors, out of direct sunlight in the original, unopened container between, 15° C (60° F) and 26° C (80° F) the shelf life is one year. **Always rotate stock. • Do not allow to freeze.**

Clean Up

Remove all excess material and clean all tools promptly with solvents such as xylene or toluene.

WARNING: Xylene and toluene are flammable and harmful to the printed top surface of vinyl membranes. Use with extreme caution.

Disposal

Dispose of empty containers, application tools and product waste in accordance with Federal, State, Provincial and local regulations.

Installers proceed with the expectation that all elements of the building and / or deck are constructed to meet the building code and that if you choose another contractor to build, remodel or prepare the substrate, it complies to Tuff's substrate recommendations.

The responsibility for the substrate used during installation lies with the vinyl installation contractor and not Tuff Industries. If decks exhibit appearance degradation due to improper or poorly prepared substrates, it is solely the responsibility of the installation contractor. Proper substrate preparation and material selection are crucial in maintaining the quality and longevity of vinyl membrane decks. Tuff Industries is not accountable for any issues arising from substrate-related matters.