

DUOTACK® 365

APPLICATION INSTRUCTIONS

DESCRIPTION

DUOTACK® 365 is a low rise, two component polyurethane adhesive. DUOTACK® 365 is used to adhere insulation and cover boards to approved substrates. Insulation and cover boards include polyisocyanurate, polystyrene, mineral fiber, gypsum, wood fiber, cement, perlite and asphaltic roof boards. The foam is formed by the reaction of the part A (amber in color) and a part B (grey in color) mixed in equal parts in a static mixing tip. It is critical to ensure the two parts are mixed at a 1:1 ratio.

APPROVED SUBSTRATES

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|-----------------------------------|-----------------------|
| ■ Structural Concrete | ■ Polyiso |
| ■ LWIC | ■ Polystyrene |
| ■ Lightweight Structural Concrete | ■ Coated Stone Wool |
| ■ High Density Wood Fiber | ■ Perlite |
| ■ Steel (min 22 gauge) | ■ Gypsum |
| ■ Wood (Plywood or OSB) | ■ SOPRABOARD® |
| ■ Existing Modified or Smooth BUR | ■ SBS Vapor Retarders |

SURFACE PREPARATION

All work surfaces should be clean, dry and free of dirt, dust, debris, oils, loose and/or embedded gravel, coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven.

Performance Roof Systems advises that adhesion/peel tests be performed prior to application for adhering to an existing modified bitumen or smooth surface BUR. Contact our Technical Services department for applicable recommendations.

For re-cover applications apply approved primer prior to the application of insulation adhesive. For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film membranes, apply surface treatment prior to the application of insulation adhesive.

SET UP

For Cartridges — When using cartridges remove retaining cap and plug from cartridge and attach static mixing tip provided. Keep cartridges standing upright until cartridge is in the dispensing gun and application of adhesive has started. Always remove the static mixing tip immediately after any stoppage to prevent adhesive from foaming and curing in the mixing tip. Any unused material can be applied at a later date by simply removing the used static mixing tip, wiping the neck of the cartridge clean and plugging the cartridges with provided snap off tips.

For Cubitainers — Open the flap on the box and remove the cap on the plastic bladder. Apply a quick connect fitting onto the plastic bladder and turn the boxes so that the quick connect fittings are facing down on the installation cart.

Slightly open valves to check for leaks. Tighten the nut. Once no leaks are detected, fully open the valves. Check the flow of chemical by disengaging the safety and pulling the trigger and dispensing into a waste container prior to attaching a nozzle. Allow the part A and part B to run out of the manifold into a waste pail for approximately 30 seconds before closing the valves.

Apply a small amount of petroleum jelly to the ring surrounding the face of the gun before attaching the nozzle. Line up the arms of the nozzle with the slots in the gun and push firmly until you hear a click. To remove the nozzle, squeeze the arms and pull the nozzle free.

For Drums/Mini Drums — 15 gal and 50 gal Drum Sets require specialized dispensing equipment (spray foam rigs/carts) in order to pump the material to the application tip in a 1:1 ratio. Choices of this equipment vary, but as long as the container size selected can be accommodated by the equipment, it should be able to be used to dispense DUOTACK® 365. If there are any questions about compatibility, check with the equipment manufacturer.

For complete application instructions and product specifications contact Technical Services.

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1. Holding the dispensing gun no further than 2 feet above the approved deck or insulation substrate, apply insulation adhesive directly to the substrate, using a ribbon pattern. Space beads 4, 6 or 12 inches on center to achieve proper coverage rates for insulation attachment.
2. As adhesive is applied, immediately place insulation board onto wet adhesive. Do not allow the adhesive to skin over. Maintain constant pressure/weight on the boards while adhesive cures, usually within minutes, but this may vary depending on environmental conditions.

Note: If adhesive “skins-over” before boards can be set in place, remove and replace affected materials and reapply material as needed.

QUALITY ASSURANCE TIPS

- ▶ Regularly check equipment to ensure part A and part B are being dispensed equally. Check boards to ensure insulation and cover boards are adequately being adhered in place.
- ▶ Do not use insulation boards which have become warped, cupped or have poor quality due to improper storage/handling. Insulation boards must lay flat upon the roof substrate.

STORAGE & HANDLING

Containers should be stored in a cool, dry indoor environment at temperatures above 14°F (-10°C). Avoid prolonged rooftop storage or direct sunlight. If properly stored, approximate shelf life is 12 months from the date of manufacture.

SAFETY PRECAUTIONS

Prior to starting work, read and follow all product labels, data sheets and published specifications for recommended application guidelines. Refer to product Safety Data Sheets (SDS) for health, safety and environment related hazards. The applicator is responsible for ensuring conditions are appropriate to proceed and proper application methods are followed.

CLEAN UP

Tools and uncured adhesive can be cleaned with solvents such as mineral spirits, xylene, etc. Follow all safety precautions listed on solvent containers.

DISCLAIMER

The applicator is responsible for ensuring conditions are appropriate to proceed with proper application methods. Refer to Performance Roof Systems Product Specification and Detail Guide for additional information. Materials and methods should be adjusted as necessary to accommodate varying project conditions. Materials should not be installed when conditions are unacceptable to achieve the specified results.

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