

Brite Tek Roof

Replacement, Patch, Removing bubbles and using proper sealants and repairing Eternabond tape on fiberglass roof seams

Replacing Brite Tek Roofs

1. Test all components first. There is a check list included.
2. Remove perimeter trim, vents, A/C's antenna's etc.
3. Cut old Brite Tek roof around the perimeter and remove the Brite Tek roof. You will be able to see where rafters are located. Every 16" is a rafter, so snap a chalk line where each rafter is located and cut the old Brite Tek roof. (See picture attached) Mark your hole locations and side wraps so you do not miss any components.
4. Remove all screws in the luan boards.
5. Number your luan boards and use the old boards for a pattern on the new 9mm luan boards with the paper on the bottom side for a condensation barrier.
6. Cut the laun boards to fit, beveling perimeter edges where the Brite Tek will wrap over. With a router, pistol grinder, or a DA with 80 grit sandpaper so there will not be any sharp edges cutting through the Brite Tek roof.
7. Before installing the new laun boards, mark the centers of the rafters on the side wraps so you will be able to snap a chalk line to fasten the decking with screws to the rafters. While fastening laun boards be sure that all joints are even and the perimeter edges are flush. Also, be sure no screw heads are protruding from the laun boards.
8. After all laun boards are fastened, sand all the seams, screw holes, and openings with a DA or pistol grinder using 80 grit sandpaper. So there are no uneven seams and wood chips sticking up. Use an air hose to blow all loose particles off the laun boards.
9. Install 1/16" X 1/2" butyl tape around the perimeter of the laun boards on the side wrap and end caps covering the old screw holes.
10. Roll out the Brite Tek roof and check to make sure it is free from any damages and pull one end of the Brite tek back to reveal the back or front section of the laun boards.
11. Blow the laun boards and the Brite Tek fleece off with an air hose to clear any wood chips.
12. Spread Dicor glue 901BA-1 evenly over the laun boards. One gallon of Dicor glue covers approximately 4 laun boards.
13. Roll back the Brite Tek roof to make sure there are no wrinkles in the roof vent pipes as needed when squeezing all the air pockets to the side of the unit.
14. Repeat steps 10, 11, 12, and 13. Be sure to inspect the roof for air pockets and fleece bonding to the laun boards.
15. Remove the butyl tape paper from step 9.
16. Wipe down both sides of the 100X trim with acetone or rubbing alcohol. Then apply 1/8" X 3/4" butyl tape onto the bottom of the 100X trim and then screw the trim down on top of the Brite Tek directly against the edge of the laun boards. Be sure to stretch the Brite Tek while you are fastening the trim down to prevent air bubbles from forming along the trim (see attached picture).

17. Cut holes in the Brite Tek roof where the vents, A/C's, antenna's etc. Using 1/8" X 3/4" butyl tape reinstall all the components. After completion of installing all components be sure to test them to ensure proper instillation. Initial the checklist once everything has tested good.
18. Cut off extra Brite Tek roof around the perimeter of the 100X trim and remove any excessive butyl tape around the components and trim.
19. Clean off the Brite tek roof and wraps by your 100X trim around the perimeter.
20. Start applying the Dicor self-leveling on the roof components except for the skylights, which you will need to use a skylight sealant. After all the components , edges, and screws are sealed, start on the perimeter 100X trim by applying the Dicor self-leveling on both sides of the trim and screws. 24 hours after applying the sealant, leak test the roof to ensure the roof isn't leaking and to also acknowledge that there were no leaks found on the work order.

Patch Repair for Small Cuts or Tears

1. Cut a circle or oval out of the Brite Tek material to fit the size of the cut or tear that you are repairing. Be sure to cut an extra 3" of material larger than the damaged area.
2. Place the patch over the damaged area and center it over the cut or tear. Draw a line around the patch with a pen, and make alignment marks to keep the patch centered over the cut or tear.
3. Clean the damaged area with rubbing alcohol or acetone.
4. Apply splice adhesive all the way around the damaged area going past your pen line about 1/4". Also apply the adhesive to your patch.
5. When both surfaces are tacky to the touch, align the patch to your alignment marks and press it into place.
6. Apply a small Dicor self-leveling bead around the perimeter of the patch.

Parts for Repair

Newmar Part #03718 Patch Kit
Newmar Part #115750 Roof Vent Cap

Removing Air Bubbles from the Brite Tek Roof

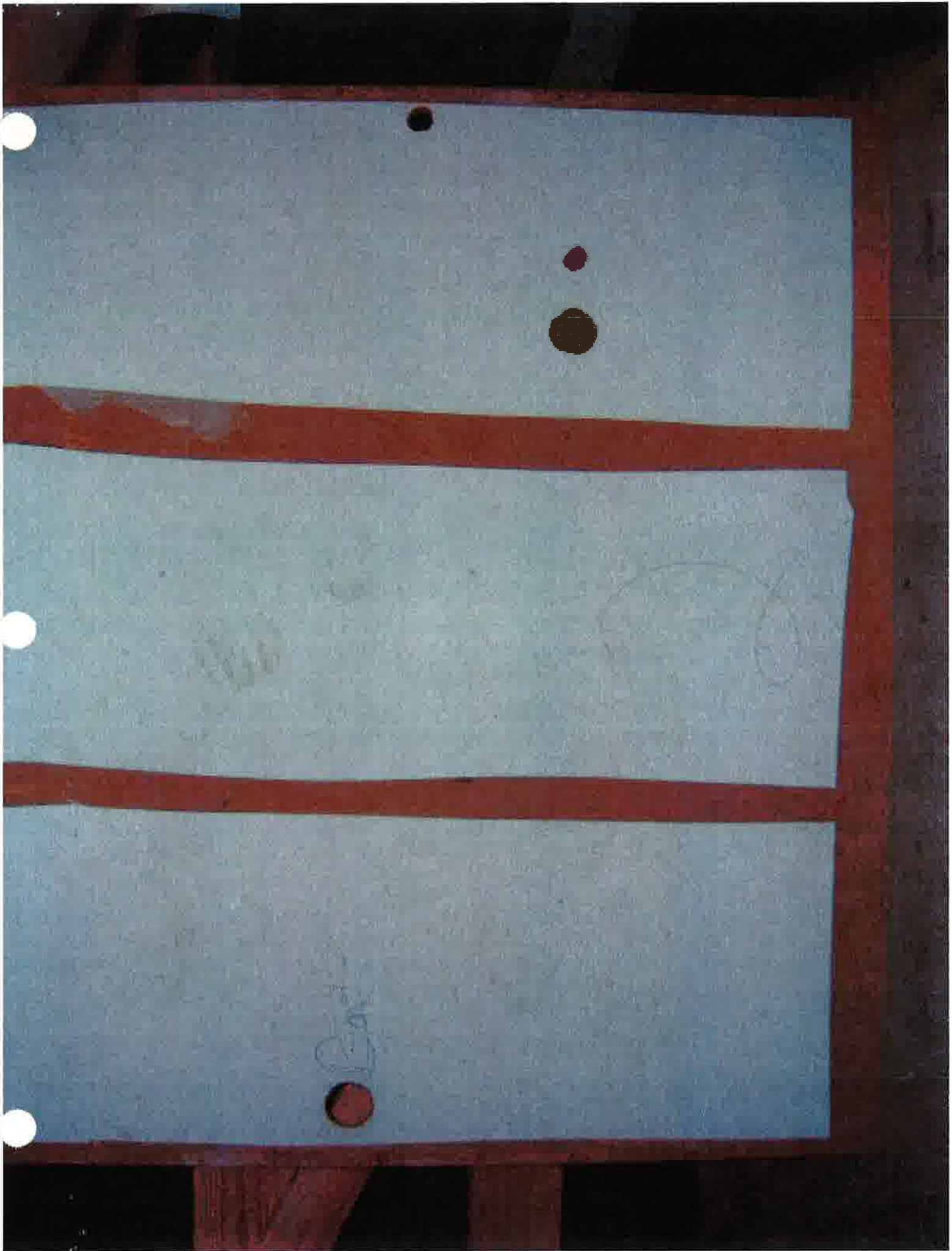
1. Bubbles may develop after a period of time for a number of reasons. For example, air pockets may not have been completely forced out when originally installed. Also, an inadequate amount of adhesive may have been used.
2. To remove the air bubbles, it will be necessary to loosen the trim at the edges, as well as any other components in the area.
3. Pull up the section of the Brite Tek that contains the air bubbles. Stretch the Brite Tek and re-glue the area.
4. Reapply the butyl tape to the trim and components and reinstall them. Be sure to remove any excessive butyl tape and reseal as needed with the proper sealant.

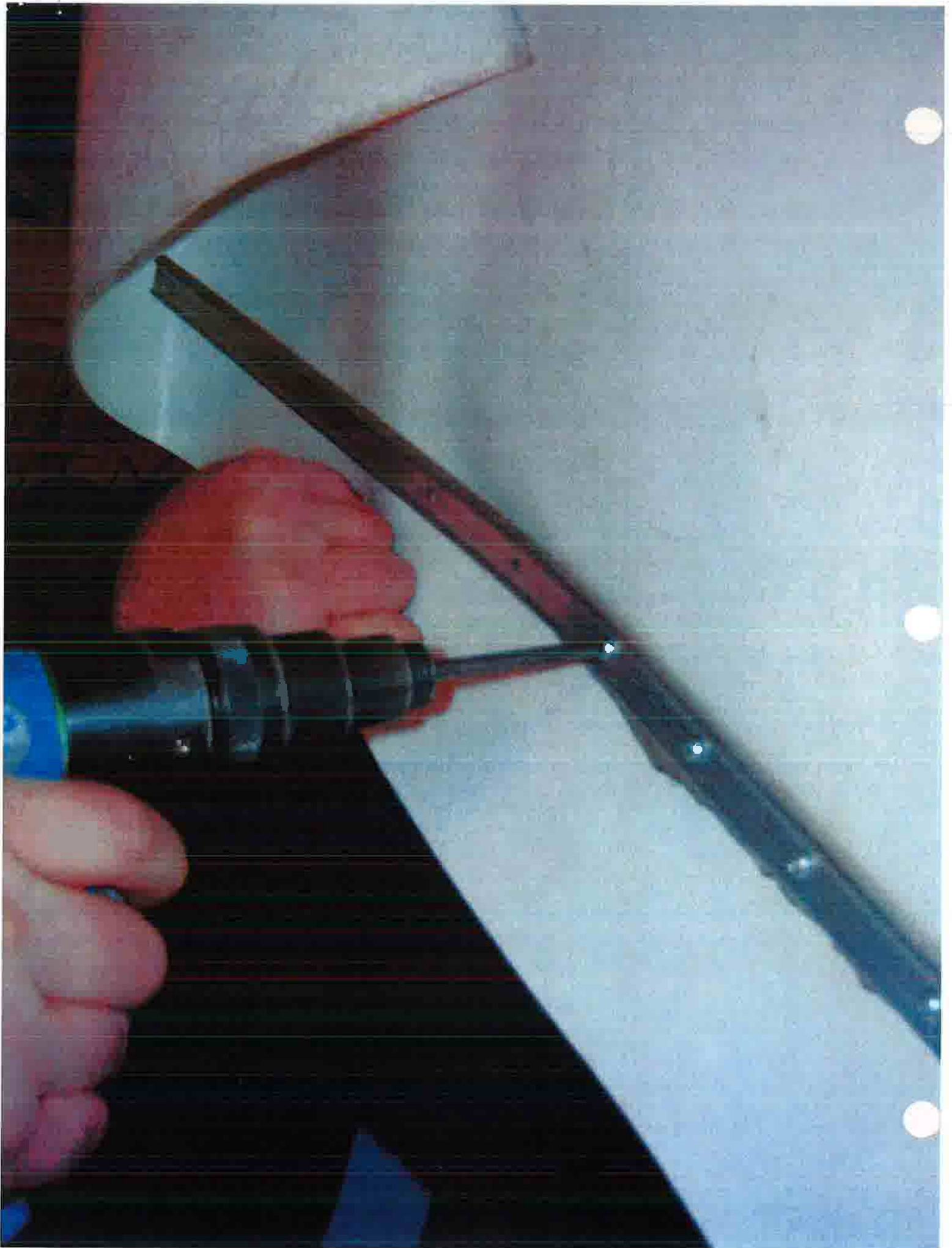
Repairing Eterabond Tape on Fiberglass Roof Seams

1. Remove the eterabond tape and clean the area with acetone or rubbing alcohol.
2. If any voids between the roof and cap are present, fill the voids with 505 sikaflex and let it skin over.
3. Wipe the area with 3M primer and apply the eternabond tape. Be sure it is bonding to the roof and cap. If it is not bonding properly apply heat to the tape to help it bond more securely.

Parts to Repair Eterabond Tape

Newmar Part #115955 Sika Tite Tape
Newmar Part #018978 Sikaflex 505





Roof Replacement Checks Before and After

	Before	After	Correction Needed
Check <small>Top Wrap for Dents, scratch</small>	_____	_____	_____
Front Air Cond.	_____	_____	_____
Middle Air Cond.	_____	_____	_____
Rear Air Cond.	_____	_____	_____
Furnace #1	_____	_____	_____
Furnace #2	_____	_____	_____
Satellite	_____	_____	_____
Air Horns	_____	_____	_____
Fantastic Fan #1	_____	_____	_____
Fantastic Fan #2	_____	_____	_____
Fantastic Fan #3	_____	_____	_____
Power Vent #1	_____	_____	_____
Power Vent #2	_____	_____	_____
Solar Panel Newmar	_____	_____	_____
Solar Panel <small>Customer Installed</small>	_____	_____	_____
Wind Sensor <small>Awning</small>	_____	_____	_____
TV Antenna <small>cranking or power</small>	_____	_____	_____
Radio Antenna	_____	_____	_____
XM Radio Antenna	_____	_____	_____
GPS Antenna	_____	_____	_____
Other <small>Customer Installs</small>	_____	_____	_____
Other <small>Customer Installs</small>	_____	_____	_____

“Note”

Test each component before and after replacing the roof, any problems found explain on right side and notify Group Leader, He should then advise customer of any problems found before reinstalling component.

SERVICE ROOF REPLACEMENT PARTS LIST

UNIT #

CUSTOMER #

W/O#

_____ DELIVER TO
JOB #

QTY

PART #

DESCRIPTION

_____	#41787Q	BRITE-TEK ROOF 8'6" X 500'
_____	#10932Q	SEAM BINDER 100X TRIM 16'
_____	#37178A	CAP PLASTIC VENT PIPE 2"
_____	#14607A	SKYLIGHT DOME 22X22 SNG PANEL
_____	#20727A	GARNISH 22X22X5 CLEAR WHT
_____	#23310P	SKYLIGHT ROOF SEALER
_____	#25112P	SEALANT RUBBER ROOF (SELF LEVEL)
_____	#16739P	TAPE BUTYL 1/8 X 3/4 X 24-30 CS
_____	#04482	ADHSV RUBBER ROOF GALLON
_____	#017841	GASKET A/C ROOF MNT KIT
_____	#016690	REFER ROOF VENT WHT DOMETIC
_____	#55728	REFER ROOF VENT WHT NORCOLD
_____	#25070	LUAN W/VINYL UNDERLAYMENT
_____	#118105	SOLAR PANELS 5 WATT KIT
_____	#04460	A/C FRAME W/SUPPORT LEG
_____	#52956	PAN-ROOF A/C ABS
_____	#017529	PAINT ROLLERS
_____	#16563P	PUTTY



SIKA® MultiSeal Plus
Multi-Purpose High Tack
Self-Adhering Tape



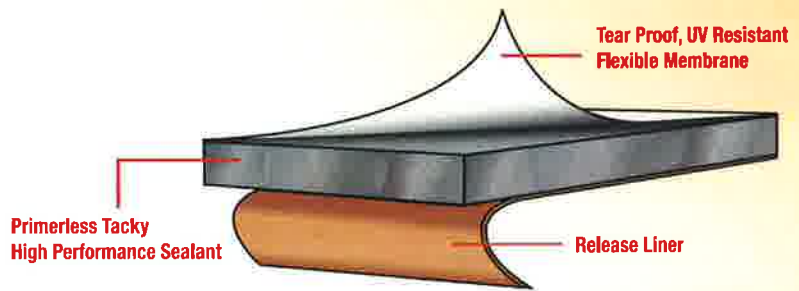
Innovation & Consistency | since 1910

Sika® MultiSeal Plus

A Leak's Worst Nightmare.

For over 100 years, Sika has been the premiere supplier of innovative, sealing solutions to prevent leaks – around windows, joints and even flat surfaces. Today, Sika continues to develop high performing sealant products that aggressively bond to most surfaces and create a durable protective barrier that withstands even the most persistent leaks.

Sika® MultiSeal Plus self-adhering tape is a tacky, high performance sealant that lasts and lasts – despite glaring sun, dry heat and the most torrential rains. Sika® MultiSeal Plus is an advanced copolymer elastomeric tape – coupled with a flexible tear-proof, UV resistant membrane – that employs superior adhesion properties to create a permanent, water tight seal. Perhaps best of all, it applies easily – simply peel, stick and seal.



A wide variety of applications and surfaces.

Sika® MultiSeal Plus is perfect for both manufacturing and repair applications.

- **Transportation Roofing** – Sika® MultiSeal Plus seals roofs around vents, skylights and other roof accessories in assembly or making on-the-road roofing repairs on recreational vehicles, fifth wheel campers, manufactured homes, commercial utility trucks and trailers and more. It permanently bonds to a wide range of surfaces including difficult roof materials (see chart at left).
- **Windows** – Sika® MultiSeal Plus forms a strong self-adhering moisture barrier around windows.
- **HVAC** – Sika® MultiSeal Plus is ideal for sealing around duct work and air conditioning piping.
- The applications to protect from a water penetration are endless.

No primers are required with Sika® MultiSeal Plus.

And, it seals to itself, so it can be cut and folded around an object. Sika® MultiSeal Plus is available in multiple widths: 2", 3", 4", 6" and 12" rolls of tape.

Sika® MultiSeal Plus forms a tacky, high performance versatile self-adhering tape used to create a fast watertight, air barrier seal on:

- A wide range of surfaces, including difficult roof materials, such as
 - EPDM
 - TPO
 - Metal
 - Kynar® coated
 - FRP
 - A variety of construction surfaces

- **Very tacky adhesion**
- **High green strength**
- **Adheres to a variety of substrates**
- **No surface primers required**
- **Tear proof, UV resistant membrane**
- **Wide temperature service range**

- **Seals to itself so it can be cut and folded around objects**
- **Resistance to fungus / mildew growth**
- **Available in 2", 3", 4", 6", and 12" widths**
- **Available in white, gray and black**



Sika® MultiSeal Plus is a fast, permanent, watertight seal featuring leading-edge synthetic adhesive properties. It's pressure activated, so all you have to do is roll the tape into place and press firmly, preferably using a roller.

Sika® MultiSeal Plus provides advanced sealing technology as compared to alternative like products available in the market. Advanced copolymer elastomeric properties offer instant adhesion, a simple peel and stick configuration, and validated long term performance. Sika® MultiSeal Plus is the choice of top professionals. Simply peel, stick and seal to create a water tight seal.

Application Instructions

- 1 Make sure that all surfaces are clean and dry. Surfaces must be free of grease, dirt, dust, talc and other loose materials.



- 2 For best results, wipe clean with denatured alcohol (DO NOT use mineral spirits).



- 3 If the surface is TPO, scuff roof surfaces with a heavy duty scouring pad and wipe surface clean with denatured alcohol (DO NOT use mineral spirits).



- 4 Partially peel back the release paper to expose the adhesive surface.



- 5 Press end of Sika MultiSeal Plus tape into place.



- 6 Firmly roll Sika® MultiSeal Plus into place while removing the remaining release paper. For best results use a steel roofing roller or a rubber coated J-roller.



***Peel, Stick and Seal.
The Tape That Creates a Watertight Seal***

Technical Product Data

Chemical base		Ethylene Propylene Copolymer
Color		Gray
UV Resistant TPO Membrane Colors		White, Gray, Black
Specific Gravity (ASTM D 792)		1.26
Total solids (ASTM C 771)		100 %
Penetration (ASTM D 217)	cone at 77°F +/- 2°F/ 300 gr.	84 to 110 (8.4 to 11.0 mm)
Flexibility (ASTM C 765)		No cracking or loss of adhesion at -22°F (-30°C) when bent around 3/8" mandrel (9.5mm)
Elongation ¹ (ASTM C 908)		700 % minimum
Vehicle bleed out (ASTM C 772)	158°F (70°C) for 21 days	No exudation of vehicle on Whatman No.40 filter paper.
Tensile adhesive strength ¹ (ASTM C 907)		13 psi (typical failure mode 100% cohesive)
Resistance to fungus/mildew growth		Will resist fungal attack and not support mildew growth.
Weatherability (ASTM G 53) (1000 h exposure)		Excellent condition; no loss of adhesion, flexibility or softness, no loss of rubbery characteristics.
Service temperature	permanent	-22°F to 180°F (-30°C to 82°C)
Shelf life (storage below 80°F (27°C))		18 months
1) 77°F (25°C)		

Sika Worldwide

Sika is a globally active company supplying the specialty chemicals markets. It is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting load-bearing structures in construction (buildings and infrastructure construction) and in industry (vehicle, building component and equipment production).

Sika's product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring and membranes. Subsidiaries in more than 70 countries worldwide and approximately 12,900 employees link customers directly to Sika.

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Proud Member and Manufacturer of Verified Components.

SIKA warrants its products for one year from date of installation to be free from manufacturing defects and to meet the technical properties listed on the current Technical Data / Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.

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