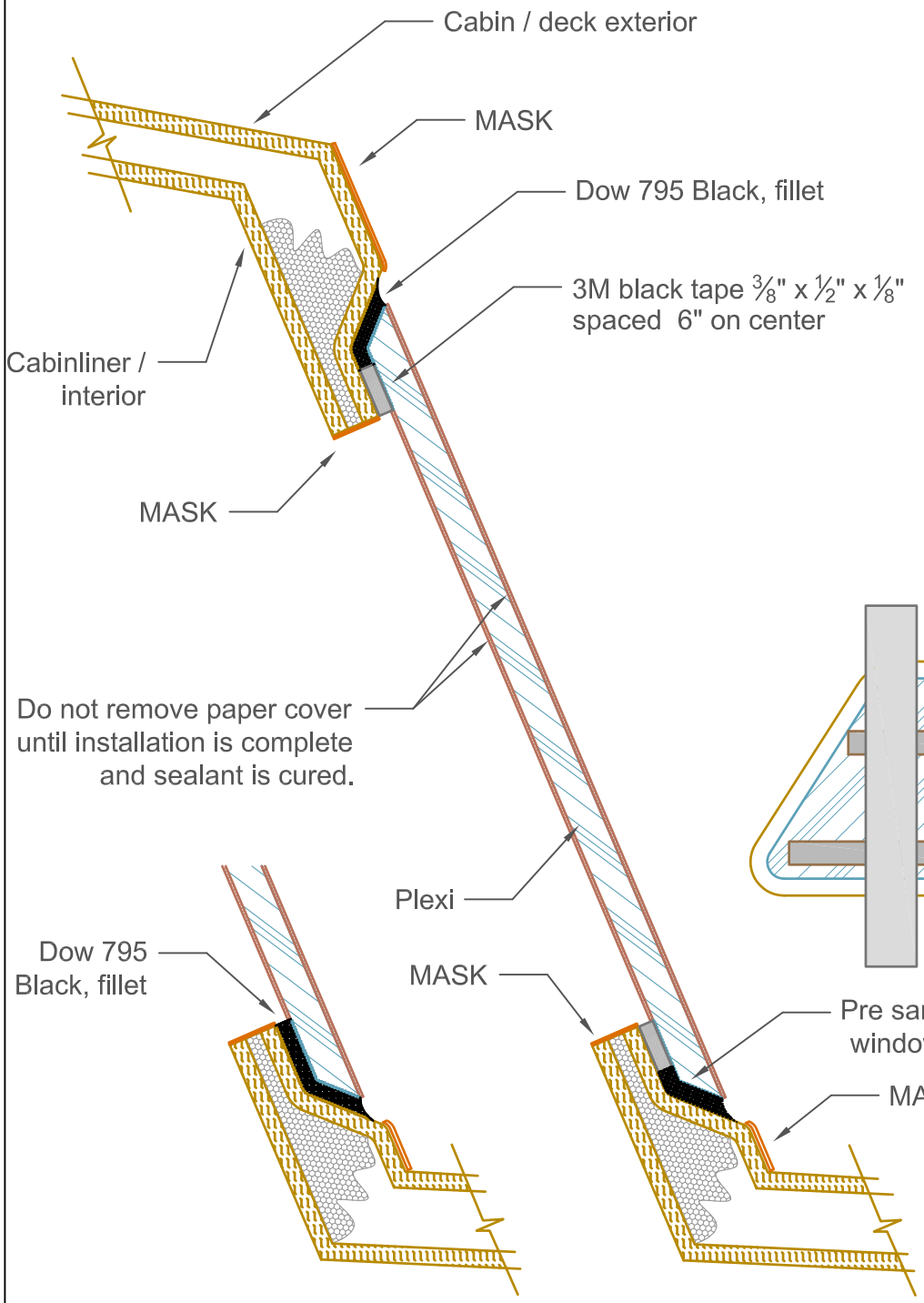
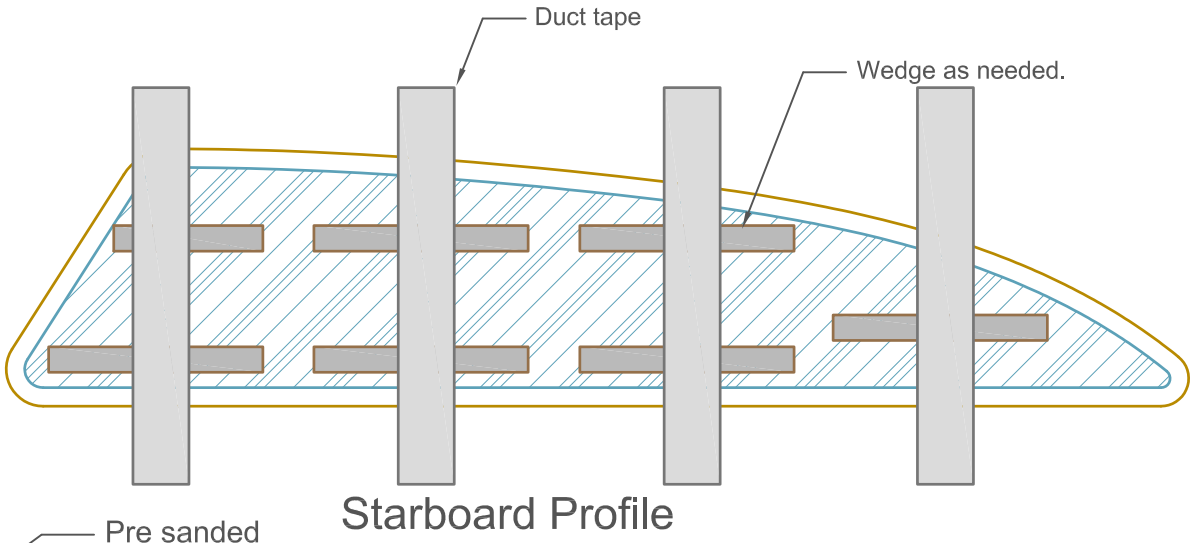
REMOVING AND REPLACING RECESSED ACRYLIC PORTLIGHTS / WINDOWS

1. Remove a portlight by inserting a flat blade tool, such as a putty knife, into the silicone joint on the outside. Start at the forward end of the portlight, the pointed end, and work the tool to break the seal and pry the acrylic loose. A small guage wire can be worked under the forward end of the portlight and gently worked in a sawing motion to cut through the silicone bond.
2. After the acrylic is removed, scrape all the remaining silicone from the fiberglass, taking care not to damage any areas that will not be covered when the acrylic is reinstalled. ALL THE SILICONE MUST BE REMOVED from the fiberglass. Clean the surface with acetone to remove all silicone residue from the fiberglass. Wet sand the fiberglass with 180 grit paper and wipe it down with acetone to remove any residue and allow the fiberglass surface to dry thoroughly.
3. Cut black foam tape into ½" x ⅜" pieces and apply to the fiberglass surface on 6" centers along the edge of the window cutout.
4. Mask the interior edge, and exterior surfaces around the cutout to minimize cleanup.
5. Apply the DOW 795 Black Silicone sealant to the clean mounting surface on the cabin side, spreading it to a thickness of ¼" inch.
6. Press the pre sanded acrylic into place evenly. Use duct tape to hold the portlight in place. Use the wedges provided to create compression on the acrylic as necessary.
7. Remove excess silicone inside and out. Tool the outside silicone bead to create a clean edge. Clean up any areas necessary with mineral spirits.
8. Allow sealant to cure at least 48 hours. Remove duct tape, masking tape, and paper covering the acrylic. Clean as needed with mineral spirits.
9. Refer as needed to Product Information Sheet Dow Corning 795 Silicone Building Sealant.





Starboard Profile

MATERIALS:

1. Acrylic portlight _____
2. Dow 795 Silicone Sealant _____
3. Black Foam Tape _____
4. Installation wedges _____

REV	DESCRIPTION	DATE
7	Release for CAD	3-25-14

Catalina Yachts
7200 BRYAN DIARY RD.
LARGO, FL. 33777
(727) 544-6681

SCALE: NA	APPROVED BY:	DRAWN BY JA
DATE: 01/12/14		REVISED

Portlight/Window Replacement

BOAT: TYPICAL

DRAWING NUMBER 22-26010

Product Information
Silicone Sealants

DOW CORNING

Dow Corning® 795 Silicone Building Sealant

Neutral, one-part silicone sealant

FEATURES

- Suitable for most new construction and remedial sealing applications
- Versatile – high performance structural glazing and weather sealing from a single product
- Available in 13 standard colors; custom colors also available

BENEFITS

- Excellent weatherability – virtually unaffected by sunlight, rain, snow, ozone and temperature extremes of - 40°F (-40°C) to 300°F (149°C)
- Excellent unprimed adhesion to a wide variety of construction materials and building components, including anodized, alodined, most coated and many Kynar®[1]-painted aluminums[2]
- Ease of application – ready to use as supplied
- Ease of use – all-temperature gunnability, easy tooling and low-odor cure byproduct
- Meets global standards (Americas, Asia and Europe)

COMPOSITION

- One-part, neutral-cure, RTV silicone sealant

APPLICATIONS

- Structural and nonstructural glazing
- Structural attachment of many panel systems
- Panel stiffener applications
- Weather sealing of most common construction materials including glass, aluminum, steel, painted metal, EIFS, granite and other stone, concrete, brick and plastics

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test	Property	Unit	Result
As Supplied			
ASTM C 679	Tack-Free Time, 50% RH	hours	3
	Curing Time at 25°C (77°F) and 50% RH	days	7-14
	Full Adhesion	days	14-21
ASTM C 639	Flow, Sag or Slump	Inches (mm)	0.1 (2.54)
	Working Time	minutes	20-30
	VOC Content[1]	g/L	28
As Cured-After 21 days at 25°C (77°F) and 50% RH			
ASTM D 2240	Durometer Hardness, Shore A	points	35
ASTM C 794	Peel Strength	lb/in (kg/cm)	32 (5.7)
ASTM C 1135	Tension Adhension Strength		
	At 25% extension	psi (MPa)	45 (0.310)
	At 50% extension	psi (MPa)	60 (0.414)
ASTM C 719	Joint Movement Capability	percent	±50
ASTM C 1248	Staining (granite, marble, lime-Stone, brick and concrete)		None
As Cured-After 21 days at 25°C (77°F) and 50% RH followed by 10,000 hours in a QUV weatherometer, ASTM G 53			
ASTM C 1135	Tensile Adhension Strength		
	At 25% extension	psi (MPa)	35 (0.241)
	At 50% extension	psi (MPa)	50 (0.345)

[1]Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds. For a VOC data sheet for a specific sealant color, please send your request to product.inquiry@dowcorning.com.

DESCRIPTION

Dow Corning® 795 Silicone Building Sealant is a one-part, neutral-cure, architectural-grade sealant that easily extrudes in any weather and cures quickly at room temperature.

This cold-applied, non-sagging silicone material cures to a medium-modulus silicone rubber upon exposure to atmospheric moisture. The cured sealant is durable and flexible enough to accommodate ±50 percent movement of original joint dimension

[1]Kynar is a trademark of Atofina Chemicals Inc.
[2]Contact your local Dow Corning Sales Application Engineer for specifics.