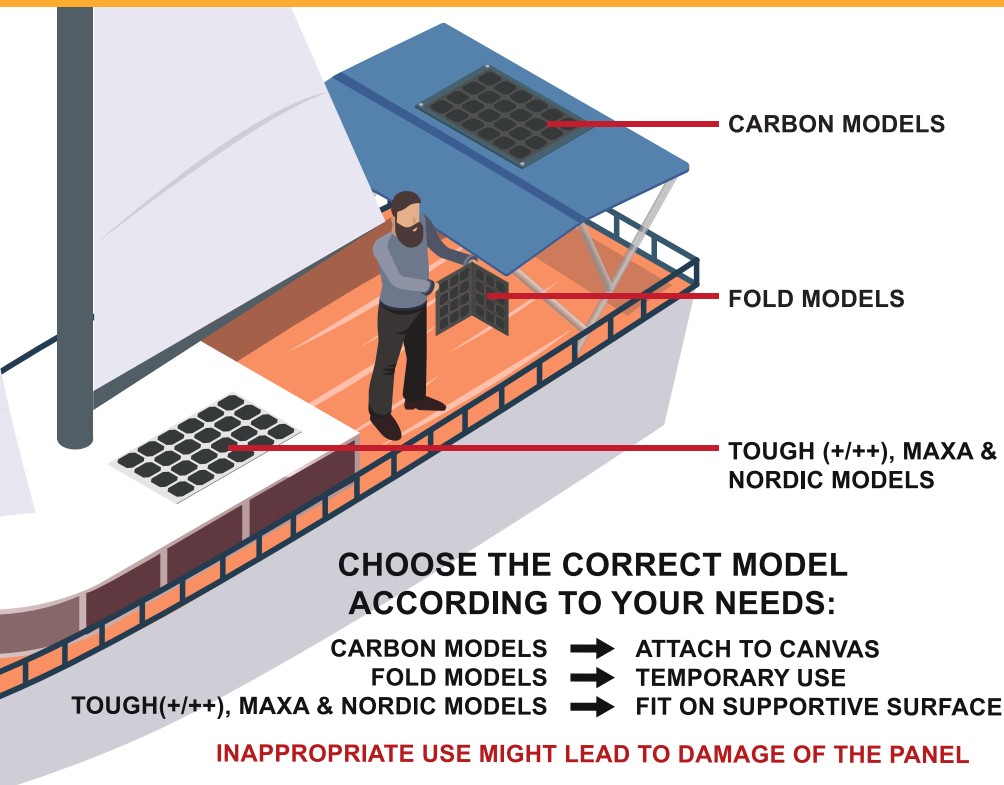
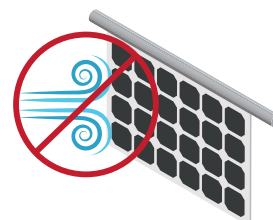
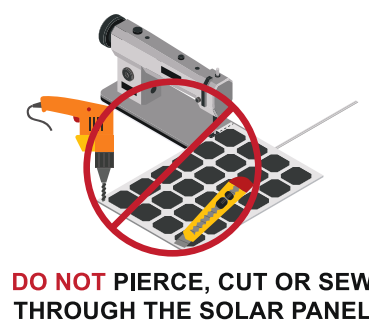


CHOICE OF SOLAR PANEL

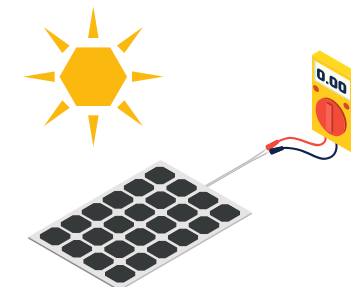


GENERAL CARE



DELIVERY TESTING

**ALWAYS TEST YOUR
SOLAR PANEL UPON
DELIVERY BEFORE FITTING**



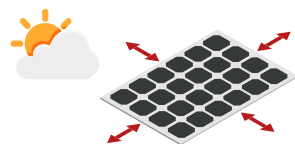
**THE TEST IS ONLY
VALID IF INCLUDING
ALL PRECONDITIONS:**

- A) MIDDAY
- B) NO CLOUDS
- C) NO SHADOWS
- D) ONLY MULTIMETER
CONNECTED

**FOR MORE INFORMATION
ON TESTING, PLEASE READ
THE FAQ ON OUR WEBSITE**

FITTING OF A SOLAR PANEL

ALLOW FOR THE NATURAL HEAT EXPANSION



**LEAVE ≥3MM AROUND ALL EDGES
OR ≥5MM IF USING "MARINE CAULKING"
IN BETWEEN PANELS**

MAX RECOMMENDED BENDING

ANY CURVATURE IS PREFERRED OPPOSITE TO
THE CUTS IN THE CELLS TO MAXIMIZE THE LIFESPAN



**PLEASE CONTACT US IF YOU ARE
UNSURE ABOUT YOUR CURVATURES**

DO NOT PLACE IT ON



**WAVE
SURFACE**



**DOUBLE
CURVATURE**



EDGES



DEPRESSIONS

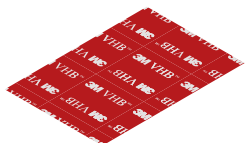
**CHOOSE A HARD AND EVEN SOLID SURFACE TO
MOUNT THE SOLAR PANEL UPON**

ADHESIVES

RECOMMENDED



FULL SIZE 3M ADHESIVE IS INCLUDED WITH TOUGH+/TOUGH++



DOUBLE SIDE ADHESIVE SHEETS (MUST BE FULL SIZE)



UV-PROOF SILICONE

SCREWS

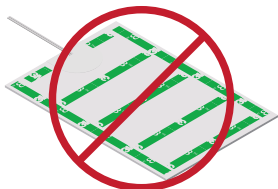


- ONLY MODELS WITH PREMADE HOLES
- USE SCREWS WITH LESSER DIAMETER
- WASHERS MUST MOVE FREELY
- DO NOT OVERTIGHTEN
- DO NOT COMBINE SCREWS AND GLUE, CHOOSE ONE METHOD

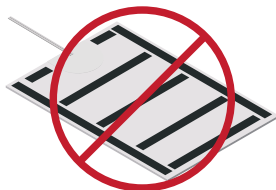
NOT RECOMMENDED



NEVER USE STIFF OR HIGH TENSILE GLUE



PARTIAL TAPE INSTALLATIONS DOUBLE SIDE ADHESIVE MUST BE FULL SIZE

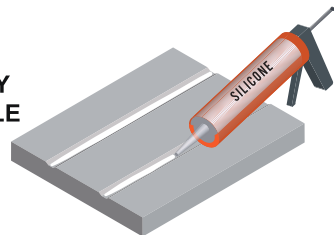


VELCRO INSTALLATIONS FLUSH PANELS MUST BE PERMANENTLY ATTACHED

GLUE APPLICATION

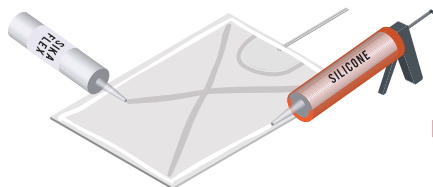
BEFORE FITTING
EVEN OUT ANY TYPE OF DEPRESSIONS/CRACKS OR ANY PRE-EXISTING ANTI-SLIP PROFILE

EVEN OUT ANY HEIGHT DIFFERENCE EVEN IF IT IS 1MM OR LESS



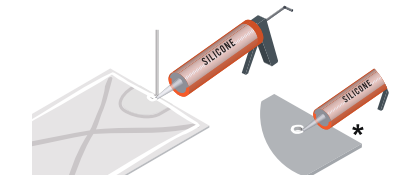
FIX THE SURFACE AND LET IT DRY BEFORE THE NEXT STEPS

1. USE A VERY LIMITED AMOUNT OF SILICONE APPLIED IN AN X ON THE BACK AND AROUND THE CABLE PROTECTION. (SIKAFLEX MIGHT ALSO BE USED FOR THIS PART)

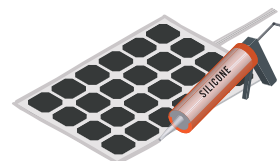


2. ONLY SILICONE MIGHT BE USED ALONG THE EDGES NEVER USE SIKAFLEX ALONG THE EDGES

ATTENTION: MAX KIT STRING WIDTH IS 3MM



3. IF CURVING CABLES THROUGH A HOLE, USE SILICONE AROUND THE CABLE CONNECTION AND AROUND THE HOLE*



4. OPTIONAL: USE SILICONE (NO SIKAFLEX) ALONG ALL EDGES & CABLE

NEVER LEAVE THE CABLE UNFIXED

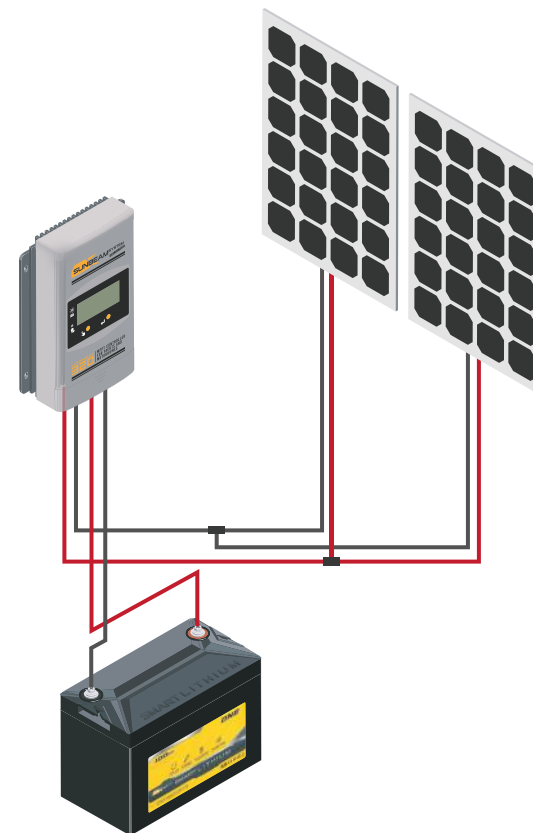


FLUSH PANELS MUST BE PERMANENTLY ATTACHED TO A HARD AND EVEN SURFACE

SOLAR PANELS WILL BE PERMANENTLY DAMAGED IF MOVED AFTER FITTING!

CONNECTIONS

IF USING SEVERAL PANELS ON ONE CONTROLLER A CONNECTION IN PARALLEL WILL RESULT IN THE BEST OUTPUT AND LIFE EXPECTANCY



FOR 24V & 48V SYSTEMS IT IS COMMON TO PUT THE SOLAR PANELS IN SERIES BUT WE RECOMMEND THE USE OF A "BOOST" CHARGE CONTROLLER WHICH ALLOWS A PARALLEL INSTALLATION

IF CONSIDERING A SERIAL INSTALLATION CONSULT THE MANUAL FAQ ON WWW.SUNBEAMSYSTEM.COM