

Sika Guide to Bonding Parklex 1000 Using Sikaflex[®]-552.

Parklex 1000 exterior wood panels can be easily, quickly and permanently adhered to most exterior building surfaces using Sikaflex[®]-552 polyurethane adhesive. Sikaflex[®]-552 is a one-component, high viscous elastic bonding adhesive, which allows for thermal expansion and will work in all weather conditions.

To achieve lasting results, the following steps must be taken.

Important Considerations Before Installation:

- Read all instructions supplied by Sika and Finland Color Plywood Corp. (“Finland”) completely before beginning project. Check panels for damage or delamination prior to use. Check Sikaflex[®]-552 for shelf life limits. Do not use either product if problems noted.
- This guide provides general instructions for bonding Parklex 1000 panels using Sikaflex[®]-552. Other instructions from Finland Color Plywood may also apply.
- Parklex 1000 is provided from the factory with a scratch resistant coating. This coating must be vigorously sanded off from the bonding surface area prior to any other steps being undertaken. Use of a power sander and rough grit sandpaper is recommended
- To properly adhere, Sikaflex[®] must bond to both surfaces, therefore; both surfaces must be scrupulously clean and dry. Using a clean, lint free cloth, wipe the bonding surface with Sika Cleaner-226 and allow to dry for ten minutes.
- Atmospheric temperatures during application and curing should never be above 110°F (25°C) or below 50°F (10°C). Avoid direct sunlight.
- Do not use alcohol and alcohol containing solvents to clean or tool material. A chemical reaction will prevent complete curing of Sikaflex[®].
- Exterior building surface must be structurally sound. Additional surface preparation may be necessary for some surfaces. Consult Sika Surface Preparation Guidelines for further detail.

DO NOT PROCEED IF ANY OF THE ABOVE CONDITIONS CAN NOT BE ADHERED TO.

Install the Parklex 1000 panels:

- Except for sanding and cleaning, Parklex 1000 panels do not require any special surface preparation.
- Always install Parklex 1000 panel to wall with side marked “Back Face.”
- Allow a minimum ¼” between panels to compensate for thermal expansion.

The building surface will require some surface preparation. Wood furring strips must be used to allow 1" air space between panels and exterior wall surface. Strips must be mechanically fastened to exterior wall with spacing no more than 16" On Center or as otherwise recommended by Finland. Strips must be primed with Sika Primer 215 and must dry no less than one hour but no more than 24 hours.

Differing rates of thermal expansion are compensated for by the thickness of the Sikaflex®-552. To meet these requirements, the finished thickness of Sikaflex® must be 8mm (5/16") To maintain this thickness, place 8mm rubber spacers near the Sikaflex® bead about every 18". Always have a spacer near any fasteners.

The gravitational pull of the earth will always force these panels downward. This is called "Creep." While Sikaflex®-552 is generally strong enough to adhere the panels, to eliminate creep, it is highly recommended that limited mechanical fasteners be used in the corners of each full panel.

- Dry fit all components before applying Sikaflex®-552.
- Mark the location of the furring strips on the Parklex 1000 panel.
- Clean bonding surfaces with Sika Cleaner-226.
- Using a large V-cut nozzle, extrude Sikaflex®- 552 onto Parklex 1000 panel or furring strips. Do not apply to both mating surfaces.
- Place 8mm spacers near beads of Sikaflex®-552.
- Set panel in place using shims to maintain ¼" spacing between panels.
- If not using permanent mechanical fasteners, at the top and bottom of each panel in the seam, insert a screw and large washer as a temporary fastener to hold panel in place while Sikaflex®-552 cures.
- Using firm, even pressure, push panel to make full contact of all Sikaflex® between furring strip and panel.
- Allow to cure for 7 days before removing temporary fasteners and backfilling seams.

Backfilling seams:

- With a clean, lint free cloth, wipe seams with Sika Cleaner 226. Allow to dry for ten minutes.
- Apply Sika-Primer 215 to seams. Allow to dry for 30 minutes
- Apply Sikaflex®-552 to seams and allow to cure.

Clean up any excess Sikaflex® with mineral spirits.

 **FINLAND**
ColorPlywoodCorporation

1310 Main St.
Venice, CA 90291
48071
310-396-9991
www.fincolorply.com


INDUSTRY

30800 Stephenson Hwy.
Madison Hts. MI

248-577-0020
www.sikasolutions.com