



A Simpson Strong-Tie® Company

APPLICATION INSTRUCTIONS



S&P C-Laminate slot-applied



S&P C-Laminate (slot-applied)

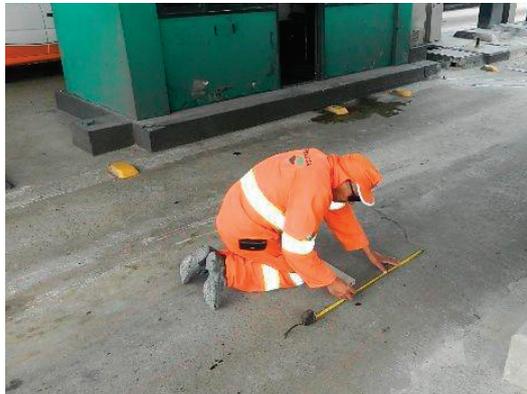
Application instructions



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REQUIREMENTS

- Minimum pull-off tensile strength of bearing substrate > 1.5 N/mm²
- Minimum substrate temperature: 3 °C above dew point temperature
- Maximum substrate moisture content < 4 %
- Glue handling temperature: +10 to +35 °C
- Substrate temperature: +8 °C maximum +35 °C



Preparation of workspace.

Measure out and clearly indicate the application slots.

APPLICATION



Mill the slots (dry or wet).

Milling width: 5 to 8 mm

Cutting depth:

12 to 15 mm (10 mm laminate)

17 to 22 mm (15 mm laminate)

22 to 25 mm (20 mm laminate)

(Laminate width plus approx. 2 mm in each direction)



Cleaning slots thoroughly.

Remove all foreign particles.

Quality assurance:

Measure temperature and humidity of bearing substrate, determine dew point temperature, check of room temperature

APPLICATION



Clean and degrease laminates on both sides with a clean towel and S&P Cleaner.

Quality assurance

Check laminate type and dimensions (specifically thickness)



Mix S&P Resin 220 HP on low-speed, max. 400 RPM.

Mix using a mixing paddle for approx. 3 minutes until the colour is uniformly grey and has no streaks.

The glue's ideal temperature while mixing is 15 °C to 25 °C.



Fill the slots with S&P Resin 220 HP.

For consumption rates, see table on pg 4.



Insert the S&P C-Laminates into the slots.

All surfaces of the laminates must be fully coated in S&P Resin 220 HP.

Protect the slots against moisture for at least 8 hours.

APPLICATION



When applying on **horizontal** building components, the slots can also be filled with S&P Resin 55 HP.

Max. 2 laminates (thickness 1.4mm) can be inserted into each slot, being careful to ensure that they are fully coated on all surfaces.

Protect the slots against moisture for at least 8 hours.



View of a finished application on the top surface of a floor (deck) element.

Full strength and load-bearing capacity is reached after 72 hours, provided conditions of 23 °C and 50 % air humidity.

Protect the laminates against fire as required by the engineer.

SAFETY

Measures regarding health & safety (protective clothing/accident prevention) are a prerequisite.

CONSUMPTION

Estimated glue consumption rates (depending on the milled slot) can be found in the following table:

S&P C-Laminate	S&P Resin 55 HP	S&P Resin 220 HP
10/1.4	~ 80 g/m	~ 120 g/m
10/2.8	~ 80 g/m	~ 120 g/m
15/2.5	~ 110 g/m	~ 160 g/m
20/1.4	~ 130 g/m	~ 200 g/m

APPLICATION EXAMPLES



More information about the S&P FRP systems and all technical data sheets, as well as all safety data sheets, are available at www.sp-reinforcement.eu

Headquarters

S&P Clever Reinforcement Company AG

Seewernstrasse 127

CH-6423 Seewen

Tel.: +41 41 825 00 70

www.sp-reinforcement.ch

info@sp-reinforcement.ch