

Subfloor Adhesive Data Sheet

Product Description

Xcel Subfloor Adhesive is an innovative collapsing gel technology which foams up after being dispensed and then collapses into a gel to provide a high performance strong adhesive with the most yield! Xcel Subfloor Adhesive replaces up to 12 conventional 29 oz subfloor adhesive cartridges. It fills small gaps and cracks better than conventional adhesives which helps provide a tight seal, levels floors, and protects against squeaks. You will be able to cut your installation time in half and use up to 50% less fasteners compared to installing without adhesive. It may even be used on frozen lumber when the air temperature is within the recommended range.

Main Benefits

- ✓ High Yield Subfloor Adhesive
- ✓ 12x more coverage
- ✓ 50% faster installation time
- ✓ Gap bridging
- ✓ Adheres to wet, frozen & treated lumber
- ✓ Meets ASTM D3498 Specifications



Directions for Use:

- Always apply on a clean/dust free surface
- Shake canister for 30-45 secs before use, or in between intermittent use.
- When using Xcel's FDG - enable needle lock before screwing on canister
- Ensure canister is firmly screwed on to applicator gun to prevent leakage.
- Canister can remain on gun for up to 30 days, when gun is kept clean.
- Screw control knob to control desired flow of adhesive.
- Pull trigger to dispense adhesive, apply adhesive using a continuous bead on substrate (a serpentine bead should be used when possible).
- For best results apply subfloor panels within 3-5 minutes. Do not wait more than 10 mins.
- Use Xcel SGC to clean gun when changing canisters or acetone to remove any excess adhesive residue.
- When changing canisters, ensure all pressure has been released from can. Unscrew empty canister while holding applicator trigger.
- Clean gun with Xcel Solvent Gun Cleaner, pulling trigger and allowing gun to dispense small amounts. Once cleaned, apply new canister immediately by following instructions above.

Technical Information:

Canister Volume: 29 oz or 900 ml

Yield using 1/2" (12.7 mm) bead: 500 ft or 150 m

Skin formation time: < 20 mins

Cure (hrs): In 8 hrs full cure 48 hrs

Full cure time: 48 hrs

VOC content: 90 g/l

Application Temperature: (-5°C to +40°C) 23°F to 105°F

Colour: Tan

Properties of cured product:

Compression Strength: 14 psi

Tensile Strength: 61 psi

Shear Strength (dry lumber): 451 psi

Heat conductivity coefficient: <0,25 BTU.in/hr.ft².F

Flame Spread/Smoke Developed: 15/10 (ASTM E84)

Service Temperature: (-40°C to +90°C) -40°F to 195°F



These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

Limitations:

- Door and Window fitting without using mechanical fasteners is forbidden. Lack of mechanical fasteners may cause deformation.
- Hurried attempts at preliminary treatment may cause irreversible changes in foam structure and its stability and may affect deterioration of foam utility parameters.
- The foam displays lack of adhesion to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Fresh adhesive should be removed with Xcel SGC.
- Hardened adhesive may only be removed mechanically (e.g. with a knife).
- Quality and technical condition of used applicator affect the parameters of final product. The foam should not be used in spaces without access of fresh air and poorly ventilated or in places exposed to direct sunlight.

Storage and Safety:

The shelf life is 12 months from manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperatures from 41°F (+5°C) to 86°F (+30°C).

Avoid skin and eye contact. For further safety information see the corresponding Safety Data Sheet.