



Technical Data Sheet



Construction Adhesive (HK)

Updated
24/11/2015

Description

Selleys Professional Construction Adhesive is a one-part polymer compounding solvent based construction adhesive. It is compatible with and bond strongly to most construction materials such as fiberboard, particle board, plyboard, hardwood, cement board, concrete, brick, aluminum, masonry, glass, ceramics and some plastics.

Packaging

350g cartridge

Advantages

- Repositionable when wet
- Paintable when dry
- Bonds to wet wood (need pretesting)
- Bonds to most of the construction materials
- Excellent vertical application property
- Fast cure, great bonding strength
- Flexibility in low temperature, cracking resistance
- Low odour, free of Toluene, Xylene, n-hexane

Typical Properties

Slump resistance: good

Open time: 10-15 minutes (wet stick, dependent on the ambient circumstance)

Initial drying time: 24-72 hours

Tensile shear bonding strength: >0.8MPa
(7days)

Coverage: Each 350g cartridge will yield approx. 13 meters of 6mm bead.

VOC content: < 70g/L

Application Instruction

Surface preparation

All the surfaces must be clean and free from dust, oil & grease, silica sealant and released painting. The oil or grease should be removed

by using a solvent such as turpentine.

Roughening the mental surface can increase the adhesion.

On wet timber, pooled water should be wiped off. This will modify the curing time and early strength properties.

If used externally, the adhesive should be protected from weather by a bead of silicone.

Application

Cut parts of the nipple on the top cartridge, pierce inner aluminium foil, screw on nozzle and cut some nozzle parts off in 45 degree angle with suitable diameter to determine bead size. Put in cartridge gun to extrude content. Flooring is usually bonded using the "Wet Stick" and the vertically application may by the "contact bonding method" preferably. By the "Wet Stick" usually need support or jig the substrates when there is green bonding strength. The holding process lasts approx. 24 hours dependent on the ambient conditions. Apply the bead in parallel or zigzag shape can speed up the solvent evaporate speed.

- [WET BOND METHOD] Direct a bead along the length of the joist, stud or batten. On broad flat surfaces apply beads every 40 cm. ('zig-zag' beads are more appropriate on surfaces of moderate width; eg shiplap panels.)
- Fix with sufficient nails, screws or clamping to hold load and achieve contact over the total bond area. Wet bonds are repositionable for up to 20 mins after fitting.
- Allow adhesives to set (at least 24 hours) before removing any temporary fasteners or clamping. (refer to Bond Strength Time)
- For faster grab, [CONTACT BOND METHOD], apply to one surface only, press together and pull apart. Allow surfaces to dry 2-5 minutes before firmly joining. Surfaces should not be kept apart for



Ph: (852) 2699 9333

Fax: (852) 2602 8844

Website : www.selleys.com.hk

Address: Suites 3203-4, 32/F., Tower 2, Nina Tower,
No. 8 Yeung Uk Road., Tsuen Wan, N.T. Hong Kong

Page | 1



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longer than 20 minutes as to do so will impair bond strength.

Cleaning

The tools and spills can be cleaned by the turpentine.

Limitation

Pre-test for use on plastics.

- Should not be applied at temperatures below -5°C.
- Not recommended for tightly clamped joints; eg cabinet making or joinery.
- Not recommended for use with polystyrene foam.
- Not suitable for use on mirrors
- Bonds weaken at high temperatures (eg above 50°C). Avoid bonding metals or heavy materials which will be heated by direct sun, eg to metal roofing and siding.
- Not suitable for bonding materials in areas which will be constantly damp or wet.

Shelf life

24 months

WARNINGS/FIRST AID & SHIPPING INFORMATION:

Refer to the Safety Data Sheet issued by R&D department of Selleys



Ph: (852) 3473 3300
Fax: (852) 2763 6545
Website : www.selleys.com.au
Address: 22/F., 78 Hung To Road, Kwun Tong,
Kowloon, Hong Kong

Page | 2