

Dow Insta-Stick Multi Purpose Adhesive



Features and Benefits

- Insta-Stick™ MP FC Adhesive is a moisture fast-curing one-component polyurethane aerosol adhesive
- It contains an environmentally safe propellant, which complies with the latest EU regulations banning all CFC- and HCFC-propellants

Application

- Installation of insulation boards and plasterboards
- Can be used in vertical and horizontal applications for permanent adhesion between various components
- Extruded and expanded polystyrene, polyurethane and polyisocyanates
- Mineral wool, plaster, plaster boards, concrete, brickwork, stone, wood, metal bituminous membranes, with the exception of smooth surfaced polyethylene, silicone, oil and grease or similar substrates

Packaging

- Tinplate cans: 750 ml
- Carton: 12 cans each

Temperature

- The ideal working temperature for both the environment and the can content is +20°C

Shelf Life

- 18 months

Handling and Storage

- Store and transport cans always in an upright position and in dry conditions
- Storage temperature: +15°C to + 25°C
- Cans should not be stored in hot areas, such as vehicles in direct sunlight

Curing

Prior to applying the adhesive, surfaces must be firm, clean, and free of dust, grease or loose particles. To speed up the curing process, surfaces can be lightly misted with water prior to applying the adhesive.

Please note: Moisture is needed for an even and rapid curing of the adhesive. Inadequate moistening may lead to poor cure or unwanted excessive post-expansion of the foam.

We recommend covering working surfaces with paper or plastic sheeting to protect against drips. It is advisable to have great stuff pro gun cleaner at hand.

Always wear gloves and protective eye wear when dispensing Insta Stick™ MP FC Adhesive.

Typical Product Properties

- INSTA STIK™ MP FC Adhesive can be used at temperatures from +5°C to +35°C, the optimal processing temperatures being from +18°C to +25°C
- Full foam setting time is 6 hours
- It is thermally stable between -30°C and +80°C
- It is durable and permanent except when exposed to UV-rays

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore tests are necessary. Our general conditions apply.

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Typical Physical Properties

	Units	Gun (750ml)	Test Method
Tack free time	Min	4	DOW internal method
Volume Yield	1	45	DOW internal method

Method of Application

- Shake the can vigorously for 30 seconds
- Screw the threaded end of the gun or straw onto the valve
- During processing, the can must be held inverted with the valve in bottom position
- To extrude the foam, pressure has to be carefully applied to the gun trigger. The gun trigger can be adjusted by turning the round knob at the rear of the gun dispenser
- Dispense Insta-Stick™ MP FC Adhesive onto the substrate in beads
- Average bead size: 20–25mm wide
- Average distance between beads: 250mm
- Apply the insulation board to the substrate within 4 minutes after applying adhesive (depending on outside conditions) and press firmly.
- The insulation boards must be placed end-to-end with joints in alternating rows if possible. Boards should be applied in rows, starting from the bottom of the wall, and going up to the top, to allow boards to hold on lower level and avoid any sliding
- Once done with the adhesion of the boards, seal the upper board row to the wall with Insta-stick™ MP FC Adhesive to avoid dirt to get behind between the insulating plate & the wall
- Fresh foam spills must be removed immediately within the tack-free time using great stuff pro gun cleaner. Once foam is cured, it can be removed mechanically
- During relatively short work stoppages, leave the gun dispenser on the can and screw in proportioning screw completely
- When a can becomes empty, immediately screw the gun onto another can. During relatively long stoppages, unscrew the can and clean the gun with great stuff pro gun cleaner
- Once a gun can has been started, it should be used within four weeks. If aerosol can has become bonded to gun, do not use force to loosen it, as there is danger of uncontrolled product release. If product does not flow easily, do not force product out of can

Note: In the case INSTA-STIK™ MP FC Adhesive is used to attached insulation boards on a wall, it is recommended to use 3 beads per board.

Safety Considerations

Material Safety Data Sheet (SDS) are available from The Dow Chemical Company. SDS sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS sheets are updated regularly, therefore, please request and review the most current SDS sheet before handling or using any product. These are available from the nearest Dow sales office.

Please note

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and product safety considerations. Your Dow sales representative can arrange the proper contacts.

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