



## PRODUCT DESCRIPTION

LL - InFusion IP-X is a high performance, solvent - based polymer adhesive in a pressurized spray can or canister. Specifically designed to hold reinforcing fibers in place during the infusion process of the resin without affecting the surface finish or structural integrity.

LL - InFusion IP-X does not interfere with the curing process of vinyl esters, polyester or styrene resins, and ultimately cross-links and becomes part of the polymer matrix. LL - InFusion IP-X is a unique system to be used in the moulding process, and is designed specifically to overcome the problems normally associated with using other types of adhesives, such as bonding failure, resin blockage, surface defects in the finished product etc. It is also suitable as a general-purpose adhesive for a wide range of applications.

### BENEFITS

- Used for Infusion/Vacuum/RTM composite processes.
- Safely fuses laminating materials to structural core surfaces.
- Provides superior holding during forming process.
- Allows resin to obtain maximum tensile shear strength.
- Spray adhesive available in light-green tracer pigment for accuracy in application.
- Fast tack.
- HAPS Free (No chlorinated solvents).
- Cross links with styrene resins, does not interfere with cure process.

## DIRECTIONS FOR USE

This product is designed to be applied to one of the surface of the substrates to be bonded together. If higher strength is needed spray the adhesive on both surfaces.

Make sure that the surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. For best results, the temperature of the adhesive and the substrate surfaces should be between 16°C - 27°C.

Use with adequate ventilation. We recommend shaking the product well before using. When using a canister; Attach and secure hose tightly onto the spray gun with required tip. Attach the other end of the hose onto the canister. Make sure the hose-valve connections are securely tight. Open the valve on the canister slowly and fully, check for leaks during the process. Unlock the trigger on the spray gun to start spraying.

Prior to use. Check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates. Spray from 10-20 cm at an angle of 90 degree to the surface, applying a uniform, even coat of adhesive to obtain 80% to 100% coverage of the surface. If necessary, spray another coat of adhesive in areas that appear to need more adhesive. Spray onto the more non-porous surface. Allow the adhesive to flash off and become tacky. Adhere surfaces and press together with adequate pressure. Although this product will give good tack after 3-5 minutes, the full cure is 24 hours.

If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner, acetone or citrus cleaners. Do not use a pin on the spray tip orifice.

### CANISTER STORAGE/CHANGE OVER:

Turn valve on canister into the off position, spray on the remaining adhesive left in the hose. Disconnect the spray hose and gun from the canister. Reconnect the spray hose to a canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean. If you choose to leave the hose and spray gun on the canister, leave the valve on the canister open. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.



# LL - InFusion IP-X

## Technical Data Sheet

### SPECIAL PRECAUTIONS

For optimum results, store canister above 18°C during use, but must always be above 10°C. Allow substrates to acclimatize to normal room temperature (18°C) for 48 hours before bonding. Do not exceed open time for the adhesive. Keep canister off cold concrete floors during use. If adhesive is expelled wet or as a jet, canister is too cold - move to warm environment and allow to thoroughly acclimatize before reusing.

#### CAUTION

- Use only in well ventilated areas.
- Do not thin or reactivate with solvents.
- Do not incinerate.
- Do not expose to extreme heat above 50°C.
- Keep away from sources of ignition.
- Release pressure before disconnecting hose.
- Test for suitability before use.

MSDS and Technical Data Sheets MUST be read and fully understood before use. Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company however cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations to infringe on any patent. These products are for industrial use only.

### CHEMICAL TECHNICAL DATA

- Total Solids: 28-30%
- System flammability: Adhesive in flammable solvent & propellant
- Dry Time: 3-5 mins dependent on temperature and humidity
- Open Time: 15 mins
- SHELF LIFE: 18 months from date of manufacture

PACKAGING  
500ml Aerosol

### STORAGE

#### TRANSPORT AND STORAGE

- Consult Material Safety Data Sheet prior to use.
- Do not store at temperature over 50°C.
- Avoid exposure to direct sunlight.
- Do not store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must be above 10°C.
- When connected, keep valve open and hose pressurised at all times (canister usage).
- Do not close valve until ready to connect to new cylinder.
- Release pressure in hose before disconnection.
- Always test LL - InFusion IP-X to determine suitability for your particular application prior to use in production.

**DISCLAIMER OF WARRANTY:** The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.