

# EXTRAPUR PLUS

One-component moisture curing polyurethane adhesive with fast setting for bonding metals, wood, expanded polystyrene, cement-bonded wood fibre blocks, polyesters, laminates, etc., when water resistance is required. Suitable for recreational vehicles, curtain walling, cold chambers, insulating walls, insulated doors, etc. . At least one adherent must provide moisture to the glue line.

Extrapur Plus fulfils the requirements of the D4 class (EN 204). (Certificate available upon request).

## CHARACTERISTICS

### Sales specification:

Viscosity at 20°C (UNI EN 12092) 8.000 ± 1500 mPa s

### Other technical characteristics \* :

Base	Polyurethane, moisture curing
Colour	Yellow to light-brown
Open time (20° C, 55 % r.h.)	Approx. 20 min
Processing time after bonding (20° C, 55 % r.h.)	Approx. 1 hour
Final curing time	12 - 24 hours
Hardness (Shore A)	95 - 100
Tensile strength	> 3.5 N/mm <sup>2</sup>
Elongation at break	150 – 200%
Adhesive quantity	100 g/m <sup>2</sup> to 200 g/m <sup>2</sup>
Room and material temperatures	≥ 20°C , at least +10° C
Pressure	2-5 kg/cm <sup>2</sup>
Applicator	Rollers, spatula, roller coater, airless pump
Cleaning	Cleaners from the range PULITORI AZ
Storage	in dry and cool room, in the original sealed packaging
Shelf life	9 months from the day of the production, at 20°C
Packaging	Bottle, 0.5 kg

*\*no sales specifications*

## RECOMMENDATIONS

A nitrogen blanket is recommended on dosing tanks. The adhesive can be also loaded from the original drum.

1. Open time and curing time are depending on the temperature. They can be half or twice of the value at 20°C when the temperature is 10°C higher or lower than 20°C respectively.
2. Longer times are expected when bonding materials free of moisture. In that case a thin layer of water can be sprayed onto one of the surface to be bonded. Do not apply too much water in order to avoid bonding defects. Bonded parts must be pressed while the glue line is curing. Pressure must be adequate for a good contact between the adherents.
3. The materials to be bonded must be free of grease, oil or oxide, that might impair the adhesion. Metals can be cleaned by solvents. Avoid low temperatures when bonding metals. For the production of metal cladding systems, painted or primer treated sheets are recommended, particularly when moisture resistance is requested. When bonding expanded polystyrene, do not use freshly produced panels to avoid emissions (water, expanding gases) that might cause bonding defects.
4. Use adequate quality checks during the bonding process and on the bonded parts.
5. Our cleaner PULITORE AZ 200 can be used for cleaning tools. The cleaner is more effective on uncured adhesives. If that is not the case we recommend to soak the parts in the cleaner overnight. When restarting after short stops, nozzles can be cleaned by soaking them in our PULITORE AZ 100.

**For all matters not covered in this Technical Sheet, refer to our General Sales Conditions and to the advice of our Technical Sales Dept. .**

COLLANTI CONCORDE acts under the ISO 9001 system.

Materials and application conditions affect the final performances of our products.

Preliminary trials are therefore recommended.

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Material Safety Data Sheet available.

*All information and recommendations in this bulletin are based upon practical experience and they don't exempt our customers to make tests when they receive the goods. We can bring changes to our characteristic details of our products in according with the technical and productive development. All information in this bulletin request some tests, because there are many details which are not verifiable during the working from us, particularly when you use raw materials of other suppliers. Our suggestions don't exempt you to check and in any case to resolve the problem when there is a possible violation of patents of other suppliers.*