

**TECHNICAL DATA SHEET** up-dated: 2012.02**ACROBOND® MPU 2K R****GENERAL CHARACTERISTICS / MAIN USE :** 2-part PU resin / foam with extremely short curing time

This special 2-part polyurethane-based foaming resin is suitable for very quick fixing / bonding of wooden steps, doors and window frames in buildings on a lot of materials such as concrete, stone, metal or fibre reinforced polyester. This foam does not present any post expansion after curing. It is adapted for assembly of various materials as well as for filling up of holes and wire crossings through insulating panels and so on. This resin has an extremely high curing rate which allows cutting of cured foam or to subject to light stress after only a few minutes at room temperature.

**TECHNICAL CHARACTERISTICS OF PRODUCT :**

<b>Chemical base</b>	Polyurethane-based, expanding resin/foam which is free of any flammable or CFC-gas.
<b>Colour</b>	Beige to yellow in homogenous mixture
<b>Pot-life</b>	≤ 1 minute (depending on temperature)
<b>Using temperature</b>	≥ 10°C and ≤ 30°C
<b>Output</b>	~ 5,5 litre under free expansion for 1 cartridge
<b>Foam-cells structure</b>	Medium hard foam with mainly open cells
<b>Mixing ratio A:B</b>	1:1 by volume
<b>Curing time</b>	~ 10 to 15 minutes, mainly depending on temperature

**PREPARATION AND PROCESSING :**

<b>Materials and Surfaces</b>	The surfaces to be filled or bonded must be clean, dry and free of any dust and grease. Store the materials and process in dry places and not below +10°C. Some metals must normally be prepared for bonding, possibly sanded. A primer coat may also be applied in some special cases for crumbly materials. Our technical department is available for any further questions.
<b>Preparation</b>	Cut both end-caps of the cartridge and fasten the motionless mixer on the cartridge before placing it in a handgun such as our RBM 100.
<b>Processing</b>	Apply / extrude immediately required quantity of resin/foam in length and width (with a space of approximately 8 to 10 cm) on one side of to be bonded material and join immediately with a pressure of around 80 kg/m <sup>2</sup> on the whole surface. Once cured, this foaming resin can already be cut or exposed to light stress after approximately 5 minutes at 20°C (higher temperature will reduce curing time and lower will lengthen it in an important way). Attention: immediately after using, take care to place the gun with fresh used cartridge on a cardboard in order to avoid any soiling because remaining mixture inside the motionless mixer will expand during curing time.
<b>Cleaning</b>	Use exclusively our cleaner/solvent Acrodis E for the uncured adhesive. After curing, only mechanical removing is possible.

**RECOMMENDATIONS / STORAGE / SAFETY :**

<b>Storage</b>	Not longer than 12 months in a cool (+10°C to +25°C ) and <u>dry place</u> in the original tightly closed packaging.
<b>Packaging</b>	250 g 2-part side by side cartridges in cardboards containing 16 units + mixers.
<b>Precautions / Handling</b>	Assure sufficient ventilation during processing. Avoid any direct skin contact with the uncured mixture. Wear protective gloves and glasses.
<b>Labelling / Toxicity</b>	<b>None for resin, Xn-Harmful for hardener.</b> Observe the general safety regulations when handling / processing chemical products and especially polyurethanes. Before first using read carefully Safety data sheet which is available on request.
<b>Remark</b>	This product is strictly limited for professional use.
<b>General Information</b>	The foregoing information represents values obtained in our laboratory and has been supplied in good faith, it shall not be construed to be legally binding, in particular, it shall not exempt the purchaser from taking responsibility for testing the product supplied so as to determine its suitability for the intended application. Given the high number of materials appearing on the market and the different methods of use, which are beyond our influence and control, we cannot accept any responsibility for the results of your work. Warranty is made exclusively for the constantly high quality of our products. Please note our terms of sales, delivery and payment.