

ADINOFLEX PU 322

MEDIUM MODULUS PU SEALANT

TECHNICAL DATA SHEET

One component, medium-high modulus polyurethane sealant, cured at air temperature in contact with humidity.

PROPERTIES:

- Odourless
- Can be sanded and painted after curing
- UV strength is high
- Does not occur any air bubble during curing stage
- Does not contain PVC
- Neutral. Non-corrosive to metals, and applicable on alkaline surfaces (concrete, asbestos-cement, marble, etc.).
- Excellent recovery. It does not shrink.
- Can be used to fill cracks and fissures.
- Highly efficient for filling most of the hollows
- Good adherence over a wide range of substrates usually used in modern constructions.
- Adheres without primer to most of construction materials.

APPLICATIONS:

- For bonding various substrates like wood, metal, paint coatings, metal primers, plastics, ceramic materials
- Sealing of joint of flooring, industrial flooring, parking, etc.
- Elastic adhesion of construction elements
- Sealing and adhesion in the industry in general (ventilation, conditioned air, automobile, containers, caravans, etc.)

TECHNICAL FEATURES:

UNCURED ADINOFLEX PU 322		
Appearance:		Homogeneous creamy paste
Slump resistance (ISO 7390):	Mm.	< 3 mm
Open time:	Minute	20-30
Tack free time:	Minute	45-60
Curing rate at 23°C and 55% h.r.:	mm/day	3
Working Temperature	°C	range +5 to + 40 Very good
CURED ADINOFLEX PU 322 (4 WEEKS AT 23°C AND 55% H.R.)		
Shore A hardness (DIN 53505):		40 +/- 5
Density (DIN 53479):	g/cm ³	1.44 +/- 0.1
Tensile strength (ISO 8339):	N/mm ²	4.2
Elongation at break (ISO 8339):	%	> 600
Temperature range in service:	°C	range -30 to + 80 Very good

STRONGMAN CHEMICALS

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CHEMICAL RESISTANCE:

- Resistant to sewage effluent, lime water, sea water, fresh water, diluted acids and alkalis; short term resistant to mineral oils, fuels. Advice on specific application will be given on request.

INSTRUCTIONS:

DIMENSIONING JOINTS:

Their width must be at least 4 times greater than the maximum expected movement.

Sealing depth will be chosen depending on the width of the joint, according to the following Table (values in mm.):

WIDTH	5/6	7/9	10/12	12/15
DEPTH	5	6	7	8

For widths greater than 16mm. depth must be equal to half the width.

FORMING JOINTS:

Filler should be used in order to prevent **ADINOFLEX PU 322** from adhering to the bottom of the joint, which would exert unnecessary stresses on the sealant. Meanwhile, regular depth is also obtained, as well as greater yields. The material used must be inert, mechanically stable, homogeneous, rot proof, and must not adhere to the sealant or contiguous materials.

A particularly appropriate product is closed-cell Polyethylene Foam, extorted into regular-section strips, such as our ADINO CELL.

PREPARING THE JOINT:

The surfaces must be clean and dry. If necessary, we recommend cleaning with a non-grease solvent, for example acetone.

Application temperature: between +5 and +40°C.

At cooler temperatures, the water content of the atmospheric air is generally lower and the curing rate slows down.

Any surface not known to the user in terms of adhesiveness must be tested previously, or our Technical Department should be consulted.

WORKING TECHNIQUE:

Cut the cartridge tip, screw on the nozzle and bevel it to the required size. Insert the set in the application gun. The appropriately treated joint is filled with **ADINOFLEX PU 322**. To avoid smudging the edges, these may be protected with masking tape. For a better finish, the sealant may be smoothed with a spatula. The tapes should be removed before the skin formation.

YIELD:

The following formula is an approximate guideline to calculate foreseen yield for a standard cartridge of **ADINOFLEX PU 322**.

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$$L = \frac{V}{A \times D}$$

Where:

L = Length of sealant in metres obtained per cartridge.

A = Width of the joint in mm.

D = Depth of the joint in mm.

V = Cartridge volume.

FURTHER TREATMENT:

ADINOFLEX PU 322 requires no protection from the weather. Nevertheless, it can quite easily be painted with any acrylic paint as long as it is sufficiently elastic.

REMARKS:

ADINOFLEX PU 322 may be over painted, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.

STORAGE:

Keep in a cool, dry place.

Lifetime: 12 months in unopened packing at temperatures between +5° and +25°C.

PRESENTATION:

In 300 ml aluminium cartridges. 48 cartridge boxes.

In 600 ml aluminium bags. 40 aluminium bags boxes.

COLOURS:

White, Black, Grey

CLEANING:

Fresh product is easily removed with an organic solvent. When cured it can be removed by mechanical mean only.

HEALTH & SAFETY:

During his cured **ADINOFLEX PU 322** issues flammable solvent. These vapours must not be inhaled for prolonged periods of time or in high concentration levels. Therefore, the working area should be well ventilated. Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If this should occur, rinse the affected area thoroughly with plenty of water and, if needed, see a doctor.

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This product contains isocyanates. Follow the manufacturer's Instruction. Avoid contact with eyes and skin. Keep out of reach children
Rubber resulting after curing can be handled without risk.
Use gloves, and in case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS

For more information request Safety Data Sheet



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