

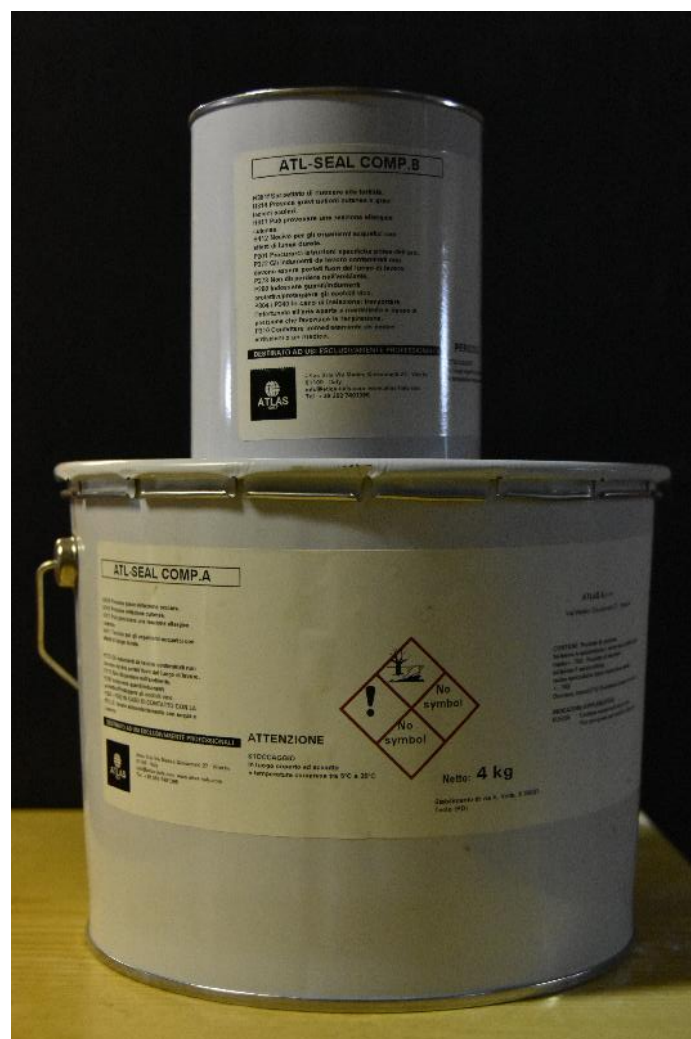


Isolamento sismico, apparecchi di appoggio, giunti di dilatazione
Seismic isolation, bridge bearings, expansion joints

GENNAIO 2020 REV. 1

ATL-Seal

Two-component rapid, resilient mortar, based on epoxy-polyurethane resin modified with bitumen and rubber granules, for filling and sealing the slots of road joints.



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Scope of Use

ATL-Seal has been designed to carry out the filling and sealing of the slots in correspondence with the locking nuts of the road joints in a quick, simple and durable way.

Product Description

ATL-Seal is a two-component, fast-curing, resilient mortar based on epoxy-polyurethane resin admixed with special bitumen and rubber granules.

ATL-Seal is composed of a fluid base and a black hardener containing rubber granules.

Application Requirements and Characteristics

The characteristics of **ATL-Seal** are shown in the following table, the performances refer to tests performed on specimens matured 7 days at 20 ° C:

Features	
Color of the mixed product	Nero
Application temperature (minimum ÷ maximum)	5° ÷ 35° C
Mixture ratio by weight A: B	4 : 1
Specific gravity, ASTM D792	1,15 ± 0,05 kg/dm ³
Workability time, EN ISO 9514	a 5°C 2 h a 20°C 30 min a 30°C 15 min
Transitability at 30°C	40 minuti
Transitability at 20°C	90 minuti
Transitability at 5°C	5 h
Performance	
Surface hardness, ASTM D 2240 (Shore A)	90±5
Adhesion to SBR rubber, UNI EN 1542	> 1.2 MPa
Adhesion to steel, UNI EN 1542	> 2 MPa
Adesione al calcestruzzo, UNI EN 1542	> 1,5 MPa

Consumption and packaging

It takes about 1.15 kg of **ATL-Seal** to fill a dm³. **ATL-Seal** is a two-component product consisting of a liquid component A (resin) supplied in 4 kg cans and a fluid component B (hardener) supplied in 1 kg cans;

Storage

ATL-Seal must be stored in its original, perfectly intact packaging, indoors in a dry, clean place, not exposed directly to the sun and at a temperature between + 10 ° C and + 30 ° C. At temperatures below + 10 ° C lumps may form, due to the increase in the viscosity of the resin, if this occurs, it is advisable to heat the closed packages (A + B) by immersing them partially in hot water. **ATL-Seal** must be kept away from fire or open flames.

ATL-Seal if stored as specified above has a shelf life of 12 months.

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Application Instructions

1. Preparation of the substrate

Perfect cleaning of the surfaces is essential for optimal adhesion to the substrate. Blow the fixing slots with compressed air after the joint anchor bolts have been tensioned, make sure that the support is not damp. Clean surfaces soiled with oil grease etc. with **ATL Solvente-E** before applying **ATL-Seal**.

1. Mixing

Do not start mixing the two components A and B of **ATL-Seal** if the temperature of the environment and / or the supports are lower than + 5 ° C, or higher than + 35 ° C.

Pour a can of component "B" (1 kg) into the can containing component "A" (4 kg) and mix with a mixer at low speed until a homogeneous mixture is obtained.

It is recommended to always mix whole packs of product. **ATL-Seal** is ready for use and must not be diluted.

2. Application

Strain the mixture thus obtained in the slots or openings until it is filled with the help of a trowel or spatula.

To anticipate the time for transit or in particular conditions of ambient humidity, it is possible to spread with the sowing method, on the freshly laid product of the totally dry filler reducing the drying time on the surface of the product **ATL-Seal**.

Washing of tools

The tools used must be cleaned with **ATL Solvente-E** or epoxy thinner when the material is still fresh. Once the product has hardened it can only be removed mechanically.