

RAYSTON FLEX CLEAR

RAYSTON
products



Sealant and glue with excellent adhesion to most materials

DESCRIPTION

Rayston Flex Clear is a one component sealant and glue, based on a hybrid MS polymer with excellent adhesion to most materials.

APPLICATIONS

- Suitable for all types of sealing and gluing.
- Replaces mechanical fixing.
- Replaces glues for wood and other glues.
- Replaces silicon and acrylic sealants.
- Suitable for sealing and gluing in lavatories and other damp places.
- Suitable for sealing joints in construction
- Joints in car and container industry
- Refrigerator industry
- Shipbuilding
- Tractor industry

PROPERTIES

- Hardens with air humidity, no shrinkage or air bubbles.
- Can be painted.
- Adheres very well to most materials: wood, metal, aluminium, steel, copper, concrete, ceramic, polycarbonate, polyester, marble, glass, polystyrene, PVC.
- Good output even at low temperatures.
- Excellent mechanical properties, great hardness.
- Environmentally friendly: contains no solvents, isocyanate or silicones.
- 100 % chemically neutral and odourless.
- Can be painted with most paints and varnishes on the basis of epoxide, polyurethane and water.
- Excellent resistance to various atmospheric conditions.
- UV-resistance.
- Chemical resistance:
 - Good resistance to: water, sea water, waste water, diluted acids and bases,
 - Partial resistance to: fuel, mineral oils, vegetable and animal fat and oils.
 - Bad resistance to: organic acids, alcohol, concentrated mineral oils.
- Resistance to mould.

TECHNICAL DATA

INFORMATION ABOUT THE PRODUCT BEFORE THE APPLICATION

Chemical description	Hybrid MS polymer
Physical State	Paste
Presentation	290 ml cartridges (20 pieces in a carton)
Curing mechanism	Moisture curing
Specific gravity	1060 ± 10 kg/m ³
Colour	Transparent
Skin formation time	20 ± 5 min (23°C, 50% hr)
Hardening time	2 - 3 mm/al day (23°C, 50% hr)
Application temperature	+5°C to +30°C
Storage	12 months in dry places at temperatures between +5°C and +25°C in the original unopened packaging.

INFORMATION ABOUT THE FINAL PRODUCT

Hardness (Shore A)	30 - 35 (ISO 868)
Change in volume	<1% (SIST ISO 10563)
Tensile Strength	0,9 - 1,2 (SIST EN 28339)
Module E 100%	0,70 (ISO EN 28339)
Elongation at break	150 - 250% (ISO EN 28339)
Tensile strength	2,60 - 2,90 (ISO 37 rod 1)
Elongation at break	210 - 250% (ISO 37 rod 1)
Temperature resistance	-40°C to +90°C

SURFACE REQUIREMENTS

The surface of the joint gap must be hard, clean, dust and fat free. Remove all loose and badly attached pieces.

JOINT GAP AND CARTRIDGE PREPARATION

- For a more aesthetic look of the joint gaps, tape the edges with adhesive tape.
- Cut the cartridge at the top and screw on the tip, which has to be cut according to the width of the joint gap and placed into the gun.
- Rayston Flex Clear is applied with the gun or trowel onto the surface to be glued.
- Although Rayston Flex Clear has a high viscosity, enabling the glued parts to stick together, we recommend you to prop up the glued parts for at least one hour.
- For best results, it is essential to hold both parts together while gluing them.
- During work interruption or cartridge refill release the handle on the gun and pull the piston back.
- Use an appropriate instrument or a well-soaped finger to level the sealant at the termination of the work.
- Remove the adhesive tape before the sealant starts setting.
- Fresh sealant and tools can be cleaned with alcohol.

SAFETY PRECAUTIONS

There are no special safety precautions concerning the use of Rayston Flex Clear Transparent.

ATTENTION

The information contained in this Technical Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend studying deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on site" in order to determine their convenience for a specific project.

Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This data sheet supersedes all previous versions.



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Page: 1/1