

Advanced Materials**Araldite® 2061****Structural Adhesives****Technical Data****Araldite® 2061****Highly flexible one component moisture curing adhesive****Key properties**

- Sag resistant up to 10 mm
- Highly flexible
- Good adhesion onto a wide range of substrates

Description

Araldite® 2061 is a 1-component moisture curing adhesive with high elasticity. It is suitable for bonding a wide variety of metals, ceramics, glass, rubbers, plastics and most other materials in common use. Its high elongation at break makes it suitable to bond dissimilar substrates even on large bonding areas.

Product data

Colour (visual)	Black
Specific gravity	1.4
Sag resistance	10 mm

Processing**Application of adhesive**

The adhesive can be applied directly from a cartridge or spread with a spatula to the clean and dry joint surfaces. A layer of adhesive of 2 mm to 5 mm thickness will normally impart the greatest flexibility of the joint.

The joint components should be assembled and clamped as soon as the adhesive has been applied. An even contact pressure throughout the joint area will ensure optimum cure.

Curing speed

Curing temperature range	15°C – 40°C
Curing mechanism	Moisture curing
Skin formation time at 23°C / 50% relative humidity	ca. 15 minutes
Tack free time at 23°C / 50% relative humidity	ca. 40 minutes
Cure rate at 23°C / 50% relative humidity	ca. 3 mm / day

Typical cured properties

The figures below were determined with typical production batches using standard testing methods. They are provided solely as technical information and do not constitute a product specification.

Shore A hardness (ISO 868)

Cure 3 weeks at 23°C / 50% Relative humidity **39**

Youngs Modulus (ISO 527)

Cure 7 days at 23°C / 50% Relative humidity **1 MPa**

Tensile strength (ISO 527)

Cure 7 days at 23°C / 50% Relative humidity **1.5 MPa**

Elongation at break (ISO 527)

Cure 7 days at 23°C / 50% Relative humidity **250%**

Glass transition temperature (DMA peak)

Cure 7 days at 23°C / 50% Relative humidity **-59°C**

Storage

Araldite® 2061 may be stored for up to 1 year at room temperature provided the components are stored in sealed containers. The expiry date is indicated on the label.

Handling precautions**Caution**

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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