Technical Data Sheet

Adiseal adhesive sealant (colours)

Product

Adiseal® adhesive sealant (colours) is a high-quality, professional adhesive sealant for adhesion and sealing of connecting joints that is based on polymer technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

• Seal, adhere and install anything on practically any surface/material.
• Versatile sealant for connecting joints between building components in façades, floors, interior and exterior walls, ceilings and roofs.
• Multifunctional installation and construction adhesive, suitable for most building materials.
• Sealant for units with plumbing fixtures, sanitary spaces and cold storage units.
• UV-resistant glazing compound for top and bead seals in safety glass.
• Super strong construction compound for bridge joints between concrete parts, such as galleries and balconies.
• Seal, adhere and install metal parts in the construction of roofs, façades, bodywork, containers and air ducts.
• Waterproof adhesion of post-and-lintel slabs and EPDM films in the construction of roofs, façades and ponds.
• Stainless adhesion and installation of mirrors and façade, decorative and insulation panels.
• Durable joint sealant around floor drains and other drains in sanitary spaces and other spaces with plumbing fixtures.
• As an elastic paintable sealant and filler for joints, seams, cracks, holes and fissures.
• Repair adhesive for renovation and maintenance in the construction, industrial, marine and automotive sectors.

Properties

• Durable, retains elasticity, maximum movement capacity of 25%.
• Excellent adhesion without primer on practically all surfaces, even moist ones.
• High mechanical resistance and ultimate strength, fast-curing and fast-strengthening.
• Universal and user-friendly product to seal, adhere and install anything, both indoors and out.
• No staining or bleeding on porous materials, such as natural stone, and no edge contamination.
• Free of isocyanate, solvents and silicone.

• Very low emission: certified EMICODE EC1 PLUS and VOC emission class A+
• Good resistance to discolouration, UV, weather, water, moisture, fungus and ageing.
• Odourless, bubble-free and non-shrink fast-curing CE-certified polymer system.
• Compatible in direct contact with the silver coating on mirrors and PVB-film on laminated glass.
• Usable wet-on-wet, repair with the same material.
• Sandable and grindable once fully cured.
• Paintable immediately after skin formation.
• Non-corrosive to metals.
• Good absorption of mechanical and acoustic vibrations.

Technical product data

Base			MS-Polymer
Viscosity	mm	ISO 7390	<2
Density	g/ml		1.53
Skin formation time	min.	23°C/55% RH	10
Cures in 24 hours	mm	23°C/55% RH	2-3
Contraction			None
Permissible deformation	%		25
Temperature resistance	°C		-40 / +100
Mechanical values		2mm film	
Shore A hardness		DIN 53505	60
Modulus at 100%	MPa	DIN 53504	1.35
Tensile strength	MPa	DIN 53504	2.20
Stretch at breaking point	%	DIN 53504	300

Independent Comparative Strength Test (Ultimate Handyman)
Max force applied (lateral): Greater than 3123 psi.
Test methodology: Lateral shear test.
Result: Adiseal was the only product to reach 3123 psi without the bond breaking, performing over 3 times stronger than competitor products tested under same conditions.

Shelf life

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 15 months after the production date.

Application conditions

• Application temperature (ambient and surface) between +5°C and +40°C.
• On stable, compatible, clean, uncontaminated, grease-free and dust-free surfaces.
• Use a suitable brush to remove any loose particles from the surface. Use a fine brush like a painting brush to remove fine dust.
• Degrease the surface properly before application.
• For adhesive applications, apply material vertically (ventilated) in beads spaced between a minimum of 10 cm and a maximum of 20 cm apart. Do not apply in dabs! It is recommended to use temporary supports to support adhesion during the curing process and to achieve the correct adhesive thickness.
• Adiseal® adhesive sealant requires moisture to cure. This is normally obtained from moisture in the air. If using between 2 non-porous materials, it is recommended to spray a little bit of water to a surface to help with the curing process.

Paintability

After skin formation, Adiseal® adhesive sealant is superbly paintable with emulsion paints. However, synthetic paints may dry slowly. If it will be painted (not necessary), for best results, we recommend lightly sanding the Adiseal® adhesive sealant and adjacent parts with a Scotch-Brite® pad, then thorough degreasing and painting immediately after this.

Cleaning

Remove fresh/uncured material from surfaces and tools using a thick cloth. Clean hands/skin with wet hand wipes. Cured material must be removed mechanically.

Limitations & recommendations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, release of plasticiser from the surface and/or application in dark rooms/spaces. Ensure adequate humidity in the immediate environment. We recommend testing the adhesion and the material and paint compatibility in advance.

While Adiseal cures effectively underwater, it is not designed for permanent, continuous submersion where the adhesive/sealant is the primary exposed barrier. For long-term submerged applications like swimming pool tiles, ensure a secondary barrier (such as grout) prevents direct, constant water contact with the cured bond.

Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out with plenty of water and consult a physician.

The product safety data sheet is available at https://adiseal.com

Warranty & liability

Adiseal Ltd guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.

Certifications

EN 15651-1: F-INT
VOC emission class A+
EMICODE EC1 PLUS
ISEGA

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