LAseal

High-quality window putty for professional use

LAseal is an elastic and high-quality window putty with excellent durability that can be used for sealing and caulking around windows. It is widely used by leading glaziers and window renovation companies in Sweden. LAseal has the right consistency for easy application with a caulking gun and can be painted over with most window painting colors.

1. Advantages

- Elastic
- Paintable, see more information below
- Excellent adhesion to glass, wood, and many other materials
- Preferred consistency for easy application with a caulking gun
- No shrinking
- Long durability
- Environmentally assessed in various systems
- Lower climate impact compared to MS-polymer-based sealants
- Available in various colors
- 10 years functional and material guarantee. Full warranty conditions are available at www.leifarvidsson.se

2. Usage

LAseal is specially developed for window putty but is also excellent for both interior and exterior caulking around windows and other types of joints in class 20 HM. LAseal is also suitable for glazing and top sealing.
LAseal adheres well to various materials such as glass, wood, aluminum, u-PVC, polycarbonate, polyester, stainless steel, and many painted surfaces. Compatibility with the primary and secondary sealing of insulated glass cannot be guaranteed, as the composition of the seals may change by the manufacturer without our knowledge. Conduct your own tests if unsure.

3. Application

LAseal is applied to dry and well-cleaned surfaces of glass and wood. Wood does not need to be primed before application, but very dry and worn putty folds can be primed and painted before puttying.
Ensure that the paint has dried completely before puttying and that there is no excess primer oil in the fold or on the glass. We offer a 10-year functional and material guarantee; see more info at www.leifarvidsson.se for full conditions.
When caulking, it is important that the joint has the right dimensions to accommodate different movements. The depth of the joint should have the right proportion to the width. A general rule is that joints with a width up to 10 mm should have a depth equal to the width, with a minimum width of 5 mm. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm.

4. Limitations

Not suitable for PE, PP, PMMA, PTFE, soft plastic, neoprene, and bitumen.
Not suitable for natural stone and mirrors.
Not suitable in combination with chlorine (pools)

5. Preparations

Application temperature +5°C to +40°C.
All substrates should be solid, clean, and free from grease and dust. Good adhesion without primer on most non-porous materials.

6. Colours

LAseal is available in the colors white, gray, brown, beige, black, green, and red

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7. Packaging
Available in a 290 ml cartridge or a 600 ml sausage.

8. Storage
At least 18 months from the production date, applies to unopened packaging.
Store between +5°C and +25°C.
Frost resistance during transport down to -15°C.

9. Safety Data Sheet
Safety data sheet is available at www.leifarvidsson.se.

10.Painting over
LAseal does not require overpainting for technical reasons, but we still recommend painting as it provides a more uniform appearance and a surface that is easier to clean. Choose a color that closely matches the window frame color for optimal coverage. Our extensive tests show that both solvent-based and water-dilutable primers and topcoats for window painting, as well as many different linseed oil paints, generally have very good adhesion to LAseal. Note that some oil-based paints (often those not specifically designed for window painting) may have a prolonged drying time on the sealant, sometimes up to several weeks in certain cases. Overpainting can be done immediately or after curing.

Please note that our tests, conducted in a workshop environment, cannot be considered exhaustive due to the wide variety of paint types and brands available on the market. Therefore, we always recommend conducting your own tests. Note that linseed oil paint often has a matte surface on the putty compared to the window frame and sash itself. This may be more noticeable in dark colors but, according to our experience, does not affect the adhesion or durability of the paint. The phenomenon is most noticeable when the window is freshly painted because a certain chalkiness of linseed oil paint often occurs relatively quickly, resulting in a matte surface. On some windows, cracks may appear in the paint layer of the putty after a while. This is not a fault, but only shows that the putty, through its elasticity, has managed to take up the movements caused by the weather and wind. The cracks are due to the paint not being as elastic.

Note that smoothing agent or soapy water used to smooth the joint may cause poor adhesion of the paint if the agent used is not removed after the joint has cured. The same can happen when painting afterwards if, for example, remains of window cleaner are on the putty at the time of painting.

11. Limitations
As we do not have control over the ways the material is exposed to, such as materials, substrates, temperatures, dimensions, chemicals, or changes in other manufacturers' products, the information in this document does not guarantee a specific result or durability period.
Each user should always perform the necessary tests.
We are not responsible for damage, whether direct or indirect, due to errors, incompleteness, and/or inaccuracies in this document. The user must read and understand the information in this document and other documents related to the products before use.
The user is responsible for performing all necessary tests to ensure that the product is suitable for its intended use.

12. Technical data

• Elasticity modulus according to DIN 53504 S2	0.80 N/mm²
• Application amount Ø2.5 mm/6.3 bar	130-230 g/min
• Application temperature	+5°C to +40°C
• Product type	Hybrid
• Curing time at +22°C/50% RH	2-3 mm/day
• Density according to ISO 1183-1	1.35 g/ml
• Elongation at break according to DIN 53504 S2	260%
• Hardness (Shore A) according to DIN 53505 3	39
• Skin formation accord. to DBTM 16 at +22°C/50% RH	15 minutes
• Temperature resistance	-40°C to +90°C
• Tensile strength DIN 53504 S2	1.2 N/mm²

CE-marking EN 15651-1 F-EXT-INT-CC: 20HM och EN 15651-2 G-CC 20HM

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