

Brand	KGS
Article	KGS K55 MS Polymer
Description	KGS MS Polymer K55 290 ml
KGS Item Number	19238 (grey) / 19239 (white) / 19240 (black) / 19241 (transparent)
Date	April 2020



Note: This picture is for illustration purposes only

## Benefits

- High-quality, professional system, covering a broad range of applications.
- Used for fixing or mounting structural pieces, based on a hybrid technology, which elastically hardens with moisture.
- Durable elasticity, maximum elasticity of 25%.
- Excellent adhesion, without primer, on many different surfaces.
- Good hardness and structural strength, high mechanical resistance.
- Universally applicable for sealing and bonding.
- Mounting glue, flexible.
- No edge discoloration.
- Isocyanate, solvent and silicone-free, very low emissions, according to EC1 plus.
- Suitable for direct contact with food, after curing.
- Absorbs mechanical and acoustic vibrations.
- UV, weather, ageing and mold resistant.
- Rapid skin formation
- Neutral, odorless, bubble- and shrink-free curing polymer.
- Not corrosive for metals, has no effect on the silver coating of mirrors or films.
- Re-coatable / Re-paintable

## Applications

- Universal; almost all building materials
- Stone
- Marble
- Granite
- Composite
- Concrete
- Metal
- Stainless steel
- Glass
- Wood
- Plastic

## Area of application

To glue the same or different materials that need a flexible adhesive joint after curing. Larger, porous surfaces can be properly glued when used correctly. Large, non-porous materials, are not recommended. Use a 2-K MS polymer glue for adhesion of "non-porous" surfaces.

Works well on "difficult to glue" surfaces.

## Technical data

Basis	1-K moisture-hardening silan-termed polymer
Colors	White, grey, black, transparent
Movie feature	Elastic
Coastal hardness (Shore)	In hardened state = 60 Shore A
Viscosity	at +20°C, average viscosity
Density according to EN 542	1,48
Skin formation time	10 mins With increased humidity or by spraying the glue with water, the skin formation time is shortened.
Curing time at +20°C, 50% relative humidity	3 mm in 24 hours, final strength after 7 days.
Application temperature	+5°C to +40°C
Temperature resistance	-40° to +100°C
Breaking strength	300%

## Preparations

The materials to be glued must be clean, free of dust and grease. There may be some moisture in the stone, but it should not be wet. Solvent-containing cleaners should be able to evaporate in advance; less than 10 minutes.

Do not create mixed adhesion (with other adhesives).

## Processing instructions

Processing temperature from +5°C to +40°C. Clean the surfaces of the parts to be connected before applying. Apply the glue to one of the materials. If necessary, moisten the second material surface with a light mist of clear water. Connect and attach the components within the skin-forming time, until the functional strength or final strength is achieved. Any squeezed excess glue can be cut off with a sharp knife after curing or removed directly with a spatula. Not suitable for PE, PP, PTFE, neoprene and bituminous surfaces. Always run a test in advance in an unobtrusive place. Not suitable for exposure to water loads. KGS K55 MS Polymer can be painted. Refer to paint manufacturers recommendations.

## Cleaning

Cleaning non-hardened glue is done with KGS Cleaner L or KGS Cleaner LF. Hardened KGS K55 MS polymer can only be mechanically removed, cutting, scraping or grinding.

## Storage

Original packaging should be stored at dry temperatures, without direct sunlight, between +15°C and +25°C.

Shelf life in unopened condition = 12 months.

## Packaging sizes

290 ml, VPE 12 pieces per box

## Accessories

Article number 19277 - Handgun for MS-Polymer/Silicone

## Features

Compliant EC1 plus. More information can be found in the safety information sheet (SDS).

## Contact information

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## Safety information



Eye and facial protection, safety gloves, see the safety information sheet

## Important note

Our instructions for use, processing guidelines, product or performance data and other technical information are only general guidelines; they describe only the status of our products (value data/determination at the time of production) and services and do not constitute a basis for a guarantee within the meaning of § 443 of the BGB (German Federal Code). Due to the many uses of the individual product and the special circumstances in question (e.g. processing parameters, material properties, etc.), it is the user's job to carry out a test himself; our free user advice, either spoken, written or as a trial is not binding. This document replaces earlier versions.

## Disposal

Emptied bottles can be disposed via a specialized waste processing, depending to your country.

## Product dimensions

290 ml flacon	Ø 50 mm, height 220 mm (with head 230 mm)
Fill weight	290 ml = 450 g

## Packaging and label



KGS MS POLYMER adhesives  
KGS MS POLYMER Transpareadhesives others col

Package	12 x 290 ml cartridge, including 12 nozzles for mixing (mixer tips)
VE per pallet	1440 pieces
Packaging material	Cardboard
Box dimensions (LxBxH)	210 x 160 x 240 mm

## Revision history

Number	Date	By	Comments
0	April 10, 2020	HvD	Initial version