

# ZELOSEAL ZS 1200

General Purpose Anti-Bacterial  
Silicone Sealant



# TECHNICAL DATA SHEET

## DESCRIPTION

- ZeloSeal ZS 1200 is a multipurpose single-component silicone sealant used to seal construction gaps and window solutions. Once used ZeloSEAL ZS 1200 dries with ambient moisture to produce a resistant rubber with exceptional UV and weather-resistant properties.

## TYPICAL APPLICATION:

- Glass, Fiberglass, Ceramic, Non-oily woods, Korean artificial marbles, Porcelain, most metals, most plastics and rubbers, and most painted surfaces are all compatible.

## TECHNICAL SPECIFICATION:

Physical Properties	Test Method	Typical Value
Specific Gravity @ 25o C, g/ml	ASTM D1475	0.92±0.02
Skin Over Time @ 25o C, Minutes	-	2 – 5
Depth Cure, mm/Day	-	~2
Tack Free Time @ 25o C, Minutes	ASTM C679	10 – 20
Flow (sag or slump)	ASTM C639	Non Sag
Tensile Strength (N/mm2)	ASTM D412	-
Elongation at break, %	ASTM D412	>400
Hardness : Shore A	ASTM D2240	10-15
Application Temperature (°C)	-	+5 to + 40

**METHOD OF APPLICATION:****SURFACE PREPARATION:**

- The surface of the object should be thoroughly clean, dry, and free of particles including dirt, dust, grease, oil, and any other waste or substance that may hinder with bonding. Scrub to remove mildew. Wear goggles/face shields and gloves that are chemical-resistant to protect your eyes and hands. Before applying sealant, completely wash the surface and allow it to dry fully.

**HOW TO USE:**

- Cut the tip of the nozzle at a 45-degree angle to the required size.
- Use constant uniform pressure to seal all close joints.
- Smooth sealant for a clean look.
- Before applying surface skins, wipe away excess with a dry cloth or towel.
- After curing, gently remove with a razor blade, being cautious not to break the sealant's adhesion to the substrate.

**CLEANING:**

- Wipe away any extra with a damp cloth or paper sheet before curing. Wash your skin with a little soap and water. Before curing, clean instruments with mineral spirits. Cured sealant can be cleaned with a sharp knife, but be careful not to damage the seal to the surface.

**LIMITATIONS:**

- Paint cannot be applied on sealant. Finish all paintwork before applying sealant.
- It is not recommended for continuous water exposure usage.
- Because ambient moisture is necessary for sealant cure, it is not advised for use in completely enclosed locations.
- Teflon-coated materials, Polyethylene, Polypropylene, and Methyl Methacrylate (Plexiglas) do not stick well to sealant.
- Polycarbonate is not approved for usage.
- Corrosion may occur during the sealant's acetic acid release if used on or near susceptible metals such as copper, brass, zinc, carbon steel, galvanized iron, or magnesium.

### **PACKING:**

- P 220 gm cartridge.

### **COLORS:**

- ZeloSeal ZS 1200 is available in the following colors: Transparent, Black, White, Grey, and Brown. Other colors can be ordered upon request.

### **SAFETY:**

- A safety data sheet is provided on request.

### **STORAGE AND SHELF LIFE:**

- It needs to be kept at or below 25 degrees Celsius in a well-ventilated, protected space. It has a shelf life of 10 months from the date of manufacture.

### **NOTE:**

- All of the technical information in this Product Data Sheet is based on laboratory tests. Actual measured data may differ due to factors beyond our control. Please keep in mind that the performance of this product may differ from nation to country due to particular local limitations. For an exact explanation of the application fields, please refer to the local Product Data Sheet. This datasheet's information is subject to change without notice and should not be used to write specifications. Please contact the Titan-Tech office for further information on specific applications. The information provided in this document, especially the advice for handling and using our goods, is based on our professional expertise.
- Because materials and circumstances vary with each intended use and are thus beyond our control, we strongly advise that sufficient testing be performed in each case to ensure that our goods are suitable for their intended use. Unless there is a case of deliberate wrongdoing or gross negligence on our side, legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice offered.