

WACKER[®] HS - HYBRID SEALANT

Finished Sealants

WACKER[®] HS - HYBRID SEALANT is a high-modulus, paintable all-purpose sealant suitable for sealing a variety of different substrates.

WACKER[®] HS - HYBRID SEALANT cures at room temperature in the presence of atmospheric moisture to give a permanent flexible rubber.

WACKER[®] HS - HYBRID SEALANT meets following specifications: - ISO 11600 F-25HM.

Properties

Special features

- almost odorless
- solvent-free
- isocyanate free
- phthalate free
- easy to process from +5 °C to +40 °C
- stable at temperatures from -40 °C to +80 °C
- tack-free and highly elastic after curing
- non-corrosive
- paintable
- Movement capability 35%

Technical data

Properties Uncured

Property	Condition	Value	Method
Density	23 °C	1.4 g/cm ³	ISO 1183-1 A
Consistency	-	non-sag	ISO 7390, profile U 20
Skin formation time	-	approx. 20 - 40 min	internal method

These figures are only intended as a guide and should not be used in preparing specifications.

Properties Cured

Property	Condition	Value	Method
Movement Capability	-	35 %	ASTM C920
Modulus at 100 % elongation (joint)	-	0.7 N/mm ²	ISO 8339
Hardness Shore A	-	35	ISO 868
Ultimate elongation (S2-dumbbell)	-	520 %	ISO 37
Ultimate elongation (joint)	-	600 %	ISO 8339-A

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Building & Construction Adhesives

Application details

Processing

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material such as dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth. For application from cartridges cut thread open, fix nozzle on top and cut to required bead size. The sealant can be applied in beads or layers. It requires moisture in order to cure.

The curing time can take longer at lower temperatures, lower humidity or by low volume of air exchange.

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coatings or organic plasticizers can lead to discoloration of the sealant. Cleaning agents and gaseous emissions can damage the sealant in its function or change its appearance. WACKER cannot make a general statement to the compatibility of all these varying materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests.

Application

- For connection joints that are subsequently painted
- For fixation where flexibility of the sealant is still required
- For sealing joints between a wide variety of materials, such as wood, glass, metals, plastics or mineral-based substrates
- For stress-relieving bonding and fixation

Adhesion WACKER® HS - HYBRID SEALANT exhibits excellent primerless adhesion to a wide variety of materials such as wood, glass, metals, plastics or mineral-based substrates.

Users must carry out own tests due to the great variety of substrates.

Packaging and storage

Packaging

WACKER® HS - HYBRID SEALANT is usually supplied in standard size cartridges that fit all standard caulking guns.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Store dry and cool.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

During vulcanization methanol and ethanol are released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary.

Should uncured rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Avoid prolonged contact of uncured sealant with the skin - use a dry cloth or paper to remove it.

Keep out of reach of children.

Cured rubber, however, can be handled without any risk to health.

QR Code WACKER® HS - HYBRID SEALANT



For technical, quality or product safety questions, please contact:

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