



HUITIAN



Shanghai Huitian New Material Co.,Ltd.



TECHNICAL DATA SHEET

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917

DESCRIPTION

HT917 is a single component, black, low viscosity, high strength, low odour polyurethane adhesive.

It is a cold applied product which has excellent technical capabilities and is compatible with all types of automotive glass including glass mounted aerial systems and cars with and without airbags.

Easily applied and useable all year round in a wide range of climates. It provides a safe 1 hour drive away time and is manufactured in accordance with the International ISO9001/14001 quality assurance system as well as USA safety standard FMVSS212.

This product has been specifically designed for use in the Automotive Glass Replacement market and is suitable for professional use only.

CURING & WATER CHEMICAL RESISTANCE

Huitian 917 cures by reacting with moisture in the atmosphere. In low temperature, low humidity conditions the moisture content of the air is lower and curing takes place at a lower rate/speed.

It is resistant to water and proprietary cleaning agents and all windscreen cleaning products including those which contain alcohol. It is also resistant for a temporary time to the following - vegetable fats and oils, fuels, mineral oils and UV. This product is not resistant to the following - organic acids, alcohol, concentrated mineral acids and paint thinners. Avoid contact with chemicals containing hydroxyl and amino as these products can affect the curing process. This information is given as general advice only.



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METHOD OF APPLICATION

GLASS REMOVAL – Damaged glass should be removed in accordance with the vehicle manufacturer's instructions.

PREPARATION – Remove old PU from aperture leaving enough to reactivate with primer. All surfaces must be clean, dry, and free from all traces of dust, dirt, silicon, oils and grease before the application of primer.

Huitian 917 is to be used in conjunction with Huitian 8906 primer.

Bond faces should be cleaned and primed in one continuous motion with 8906 primer allowing extra time to dry if the primer line is overlapped.

More detailed information on these products can be found in the individual MSDS, this information is intended as general advice only.

APPLICATION –

Cartridges – Pierce the cartridge membrane

Sausages – Place sausage in the application gun and cut off closure clip. The tip of the nozzle is to be snipped or trimmed and screwed onto the cartridge. If using a sausage attach the nozzle using the adaptor to the sausage. Cut the nozzle in a 'V' shape to the required height.

We recommend to use a piston type application gun. To ensure a uniform thickness and height of the adhesive Huitian recommends that you apply the product in a triangular bead form. All glass must be installed within a maximum time of ten minutes from application of adhesive.

Huitian 917 is suitable for use in a wide range of climates but the ideal environmental conditions for use is between 10-30 degrees Centigrade and 50-70 % humidity

AFTER APPLICATION AND CLEANING

Once cured the product can only be removed mechanically.

All hands and exposed skin should be cleaned thoroughly with water and soap, do not use solvents. Use appropriate gloves and eye protection when handling HT917 PU and 8906 PRIMER.



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TECHNICAL INFORMATION

BEFORE CURING

DENSITY - g/cm (25 degrees) GB/T1334-1992) 1.25-1.35
TOUCH CURING (min) 20 – 35 (23 degrees / 50% RH) (GB/T13477.5-20)

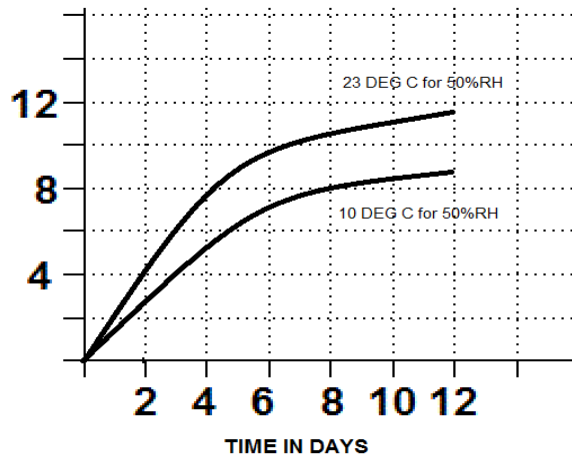
AFTER CURING

CHEMICAL BASE – 1-C POLYURETHANE
COLOUR – BLACK
CURING MECHANISM – MOISTURE CURED
DENSITY – g/cm³ 1. 85 APPROX 1.25 – 1.35
STABILITY – EXCELLENT
APPLICATION TEMPERATURE – -40 – + 90 DEGREES CENTIGRADE
TACK FREE TIME - 10 MINUTES APPROX
OPEN TIME – 10 MINUTES APPROX
SHORE HARDNESS – (GB/T 531-1999) 40-60
TENSILE STRENGTH – (MPa $6 \geq 5$ (GB/T528-1998)
ELONGATION AT BREAK – 450 \geq 400 % (GB/T528-1998)
TEAR STRENGTH – KN/m 25 \geq 20 (GB/T 529)
LAP SHEAR STRENGTH – OF MPa 3.5 \geq 3 (GB/T7124)
SAFE DRIVE AWAY TIME – 1 HOUR
SHELF LIFE – 9 MONTHS
CURING SPEED –



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THICKNESS IN MM



PACKAGING

CARTRIDGE – 300ML

SAUSAGE – 600ML

STORAGE -

Store in cool and dry place 5-35C away from sunlight

Storage period: Hard packs for 9 months.

FURTHER INFORMATION

Copies of the MSDS are available on request.

All technical data used in this Technical Data Sheet are laboratory test based, all current measured values may vary due to factors beyond our control.

HEALTH AND SAFETY

For all health and safety information please refer to the MSDS, available on request.



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Legal Notice

The above information, recommendations and data provided are given in good faith and are based on our experience and results when used as our guidelines specify, particularly how the products are stored, handled and applied, under normal working conditions and shelf life expectations.

Due to wide variations in materials and working conditions means we are unable to warrant these products for any particular purpose and cannot accept any liability whatsoever arising from any legal matters as a result of advice or guidance given by this information. All statutory rights are observed and upheld. Users should refer to the applicable Product Data Sheet – available upon request.

All orders are accepted subject to our standard Terms and Conditions of Sale.