



Technical Data Sheet

October 2022

FTS-555 is a multi-purpose 1-component polyurethane adhesive / sealant that bonds well to a wide variety of substrates like metals metal primers, ceramic materials and plastics. It is suitable for making permanent elastic seals.

PRODUCT BENEFITS:

- Bonds well to a wide variety of substrates
- Resistant to ageing
- Can be sanded and painted
- Non-corrosive
- Low odor

TYPICAL PROPERTIES OF UNCURED MATERIAL:

Color	White
Chemical base	1-component polyurethane
Density (GB/T13354-1992)	1.30 (g/cm ³)
Skin time (23°C/50%RH) (GB/T13477.5-20)	50 (min)
Nonvolatile content (105°C*3h)	99.5
TVOC	15ppm
Optimum temperature (°C)	10~35
Curing speed (mm/24h) (23±2)°C (25±5)%	4.0

TYPICAL PROPERTIES OF CURED MATERIAL:

Tensile strength (Mpa) (GB/T528-1998)	1.8
Elongation at break (%) (GB/T528-1998)	500
Tear strength (KN/m) (GB/T 529)	8
Hardness (Shore A) (GB/T531-1999)	40
Service temperature (°C) (GB/T 1694-1981)	-40~90

METHOD OF APPLICATION:

Surface Preparation

Surfaces must be clean, dry and free from grease, oil and dust.

Application

555 can be processed with hand, pneumatic or electric driven poison guns as well as pump equipment.

Cure Mechanism

555 cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower. The optimum temperature for substrate and sealant is between 20~30°C, 50~70%RH. 555 is not resistant to organic acids,

glycolic alcohol, concentrated mineral acids and caustic solutions or solvents.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the MSDS.

STORAGE AND PACKAGING INFORMATION

Product should be stored 5~25°C, ≤70%RH, unopened.

Cartridge	310ml	9 months
Unipack	600ml	6 months

NOTE :

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