FREEDOMTUFF® PRODUCT INFORMATION BULLETIN

FREEDOMTUFF® 9200 S is a next generation 100 % solids flexible, fast cure, two-part room temperature cured polyurethane adhesive with high peel and shear strength. FT-9200 S works great on concrete, metal, and wood substrates.

ADVANTAGES

- High Solids, <100 g/L VOC
- High bond strength
- Meets USDA criteria
- No noxious odors
- USGBC LEED, EQ Credit 4.2 AND 4.3: Low-emitting VOC Compliant Materials

RECOMMENDED USES

- Tile adhesive
- Polyurea repair
- Wood glue
- Construction adhesive

PROFESSIONAL USE ONLY

Read and understand all the information contained in the Product Information Bulletin's, SDS's and product labels prior to starting any project. Nothing contained in any of Freedom® Chemical Corporation's materials relieves the end user of the obligation to read and follow the warnings and instructions for each of Freedom® Chemical Corporation's products.

SURFACE PREPARATION

For high strength structural bonds, paint, oxide films, oils, dust, mold release agents and all other surface contaminants must be completely removed. However, the amount of surface preparation directly depends on the required bond strength and the environmental aging resistance desired by user. The following cleaning methods are suggested for common surfaces. Steel or Aluminum (Mechanical Abrasion) 1. Wipe free of dust with oil-free solvent such as acetone or alcohol solvents.* 2. Sandblast or abrade using clean fine grit abrasives (180 grit or finer). 3. Wipe again with solvents to remove loose particles. 4. If a primer is used, it should be applied within 4 hours after surface preparation. *When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer's precautions and directions for use. Use solvents in accordance with local regulations.

PACKAGING 1:1 RATIO

200, 600 ml side by side cartridges

COLOR

Natural

HANDLING/CURING

For high strength structural bonds, paint, oxide films, oils, dust, mold release agents and all other surface contaminants must be completely removed. However, the amount of surface preparation directly depends on the required bond strength and the environmental aging resistance desired by user. For suggested surface preparations of common substrates, see the following section on surface preparation.

For maximum bond strength, apply product evenly to both surfaces to be joined.

Application to the substrates should be made within 90 minutes. Larger quantities and/or higher temperatures will reduce this working time.

Join the adhesive coated surfaces and allow to cure at 60°F (16°C) or above until firm. Heat, up to 200°F (93°C), will speed curing.

Keep parts from moving until handling strength is reached. Contact pressure is necessary. Maximum shear strength is obtained with a 3-5 mil bond line. Maximum peel strength is obtained with a 17-25 mil bond line.

Excess uncured adhesive can be cleaned up with ketone type solvents.* Adhesive Coverage: A 0.005 in. thick bondline will typically yield a coverage of 320 sq. ft/gallon

APPLICATION

For optimum results proceed with application while air and substrate temperatures are between 40º F (4.44° C) and 95º F (35° C). Insure that the outside temperature is at least 6º (-14.44) above the dew point and rising, start application while the outside temperature is descending.

SPECIFICATION AND FIELD ASSISTANCE

Contact Freedom Chemical® Corporation for assistance.

Jobsite visits by Freedom Chemical® Corporation's employees or its independent agents are solely for determining qualification for warranty.

DISPOSAL

All spilled material, unused contents, empty containers and secondary containment spills/leaks must be cleaned up and disposed of in accordance with local, state and federal regulations.

STORAGE

FreedomTuff® 9200 S has a shelf life of 1 year from the date of manufacture, in factory-sealed containers.

Avoid freezing temperatures.

Rotate stock regularly.

Do not open until ready to use and keep containers sealed tightly.

LIMITATIONS

The end user should check the suitability of this product prior to its application.

Freedom Chemical® Corporation assumes no liability for substrate defects.

TESTING

Substrate adhesion test should be performed seven days after application. All testing should be performed by a qualified testing agency. Freedom® Chemical Corporation is not responsible for testing.

High/Low temperatures and humidity can significantly gel time and extend the cure time.

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FREEDOMTUFF® 9200 S TYPICAL PROPERTIES

MIX RATIO BY VOLUME	N/A	1A:1B
GEL TIME	N/A	20 – 30 SEC
TACK TIME	N/A	45 – 60 SEC
SHORE D HARDNESS	ASTM D-2240	65 D
TIME TO HANDLE	N/A	3 – 5 MIN

AHDESION – ASTM D-4541	TIME	PSI	- FAILURE MODE
WOOD BLOCK	5 MIN	225	- SUBSTRIGHT FAILURE
CONCRETE PAVER	5 MIN	100	- ADHESIVE FAILURE
	15 MIN	300	- SUBSTRIGHT FAILURE

Incredible Stuff, Exceptional Service, and Friendly People™