



# TECHNICAL DATA SHEET



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## DESCRIPTION

OSI® RT-600™ Roof Tile Adhesive is a premium grade adhesive developed especially for the repair and installation of concrete, clay, slate or composite type roof tiles on existing roofs. RT-600™ offers long life expectancy with reduced labor and installation costs. It bonds to most building materials producing a water and weather resistant seal against the elements. RT-600™ will withstand high temperature roof exposure while maintaining its high tensile and shear strength. Uplift wind resistance test data indicates that this adhesive is well suited for repairing roof tiles on existing roofs up to 55 feet above grade.

## RECOMMENDED FOR:

RT-600™ is ideal for tile repairs since new tiles can be glued to wood or mortar substrates in replacing the broken tiles. The product is easy to use with all "S" type tile and flat type tile applications. RT-600™ can also be used for original installation of concrete, clay, slate or composite type roof tiles in conjunction with appropriate approved installation methods.

## NOT RECOMMENDED FOR:

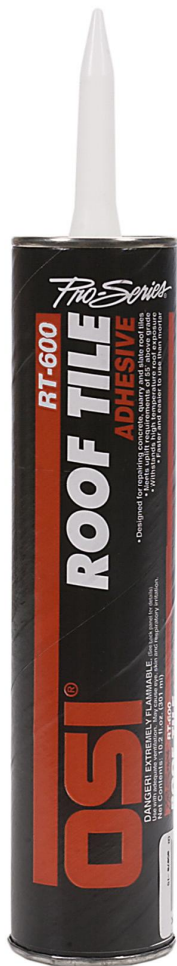
- Do not use on expanded or extruded polystyrene foam materials
- Do not use on tar / asphalt impregnated materials
- Interior applications

## FEATURES & BENEFITS:

Feature	Benefits
High temperature resistance up to 180°F (82°C).....	Can withstand high roof temperatures
Meets uplift requirements of 55 ft. above grade.....	Can withstand high velocity wind conditions
Water and weather resistant.....	Long lasting durability even during extreme storm conditions

## COVERAGE

For a 10.2 fl. oz. cartridge:  
A 1/4" (6 mm) bead extrudes approximately 32 ft (9.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 m).



Color	Item #	Package	Size
Terracotta	827693	Paper Cartridge	10.2 Fl. Oz.
Gray	827692	Paper Cartridge	10.2 Fl. Oz.

## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun and a tool to puncture cartridge seal.

### Safety Precautions:

Wear gloves. Wash hands after use. Interior applications require ventilation to the outside during application and cure.

### Preparation:

Apply and cure between 30°F (-1°C) to 100°F (38°C). For best performance, use at temperatures greater than 65°F (18°C). Surfaces must be clean, dry and free of frost, grease, dust, release agents and other contaminants. Painted surfaces must be well cured and free of loose paint. All materials should be glued in place within 20 minutes after adhesive application. If work is delayed, remove excess adhesive and begin again. Cut nozzle to desired bead size and puncture inner seal.

### Application:

Using caulking gun, apply ¼" to 3/8" bead of adhesive to roof substrate. Ensure a sufficient amount of adhesive is used to ensure good adequate contact between the surfaces areas to be bonded. Ensure surfaces are bonded together within 20 minutes after application.

### Clean-up:

Clean tools and uncured adhesive residue immediately with mineral spirits or paint thinner. Cured adhesive may be carefully cut away with a sharp-edged tool.

## STORAGE AND DISPOSAL

NOT DAMAGED BY FREEZING. Store away from heat, flame and spark in a cool, dry place at room temperature (70° ± 5°F). During cold weather, for best performance store product at room temperature for 24 hours prior to use. Use an approved hazardous waste facility for disposal.

## PRECAUTIONS

**DANGER! EXTREMELY FLAMMABLE.** HARMFUL OR FATAL IF SWALLOWED. Contains Naphtha Solvents, Toluene and Ethanol. Keep from heat, sparks and flame. Vapors may ignite explosively. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build up of vapors by opening all windows and doors to achieve cross-ventilation. May cause central nervous system effects including dizziness, headache or nausea. Contains n-Hexane which can cause peripheral polyneuropathy and central nerve damage. **KEEP OUT OF REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

## DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Terracotta, Gray	<u>Application Temperature:</u>	Use between 30°F (-1°C) to 100°F (38°C)
<u>Appearance:</u>	Thick paste	<u>Repositioning Time:</u>	10 minutes
<u>Base:</u>	Synthetic Rubber and Resins	<u>Cure Time:</u>	Initial set within 24 hours and reaches maximum strength within 30 days. Cure time is dependent upon temperature, humidity and amount of adhesive used.
<u>Specific Gravity:</u>	1.03		
<u>% Solids by Weight:</u>	68% by weight		
<u>Flash Point:</u>	0°F (-18°C)	<u>Odor:</u>	Solvent (use in a well-ventilated area)
<u>VOC Content:</u>	32% by weight (360 g/L)		
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)		

Lot Code Explanation: YYDDD  
YY = Last two digits of year of  
manufacture  
DDD = Day of manufacture  
based on 365 days in a year  
  
(Lot code is stamped  
on bottom plunger of  
cartridge)  
  
For example: 09061  
= 61<sup>st</sup> day of 2009  
= March 2, 2009

<b>Typical Cured Performance Properties</b>
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<u>Color:</u>	Terracotta, Gray	<u>Specifications:</u>	▪ Meets all pertinent requirements of the South Florida Building Code Effective date January 1, 1999; Section 2309.8 b) and Section 3403.5
<u>Cured Form:</u>	Non-Flammable, Rubbery solid		
<u>Service Temperature:</u>	-20°F (-29°C) to 180°F (82°C)		
<u>Water Resistance:</u>	Yes		
<u>Sandable:</u>	No		
<u>Tensile Strength:</u> (Dade County Protocol)	Tile Adhesion: Clay to Clay 147 psi		