



## TECHNICAL DATA SHEET #2

### BTR™-1103-UV Aliphatic Wet Pour Binder (Formerly RHP-03-UV)

#### **DESCRIPTION:**

BTR™-1103-UV (formerly RHP-03-UV) is a one component, UV stable, 100% aliphatic polyurethane binder that contains no volatile monomer or solvents, and is TDI free.

BTR™-1103-UV is designed for binding rubber granules with virtually no discoloration due to UV degradation.

#### **TYPICAL PROPERTIES:**

**Coverage / Usage:** The usage rate of the material will be dependent upon the type and quality of the rubber and the method of use, and is normally in the range of 20-22% of binder to the weight of the rubber. The installer is responsible for the determination of the exact quantity and proportions based on his rubber type, gradation and mix. The physical properties below are guide values and are not to be used for specification purposes.

Density	at 20° C (68° F)	1.0 to 1.10 g/cm
Viscosity	at 20° C (68° F)	3000 to 4000 cPs
Color		Clear / Light Amber
Cure Time	at 20° C (68° F)	24 -36 hours
Work Time	at 20° C (68° F)	5 to 10 hours
Substrate and Application Temperature	min max	8° C (46° F) 40° C (104° F)
Permissible Relative Humidity	min max	40 % 90 %

*Above figures are guide values and should not be used as a base for specifications.*

**SAFETY GUIDELINES:**

Consult Material Safety and Data Sheet for details. This material is regulated for shipment and is considered to be Toxic in its liquid state.

Do not use product near flame, welding, torpedo heaters, or open lighting with potential for spark.

Adequate ventilation is required during the application process.

Approved eye protection and gloves are recommended during application.

Should contact occur with eyes or skin, wash thoroughly with soap and water. If irritation persists, obtain medical attention.

**STORAGE AND PACKAGING:**

BTR-1103 should be kept dry and cool. Shelf life of product stored in original containers is 6 months.

BTR-1103 must be protected against moisture.

BTR-1103 is packaged in 44 pound (5 gallon) pails.

**INSTALLATION GUIDELINES:**

The surface to be coated must be clean, dry and free of oil, grease, and dirt and any foreign residue.

RHP-03-UV is ready for use as supplied and should be mixed with dry rubber granules to the proportions determined by the installer that will meet his strength and bonding requirements. Additionally, the installer should be aware that the sieve distribution sizing of the rubber granules will affect the bond strength of the matrix. Suggested mix ratio for which the installer might consider proportional requirements:

BTR™-1103-UV	20% by weight
Rubber granules	80% by weight

The cure time varies with temperature and humidity. High temperature and high humidity will decrease cure time, while low temperature and low humidity will increase it.

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**OTS Manufacturing and Supply, Inc.**  
293 Industrial Drive  
Lexington, SC 29072

**Telephone: (803) 957-3549**

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