

Product Data Sheet

400 RTS — Topcoat

872JB: Base 872J9 : Curing Agent 95UJB



Description: 400 RTS Topcoat (Hempel 872JB) is a 100% solids methacrylate (MMA) resin.

Recommended use: 400 RTS is used as a topcoat with Neogard RTS vehicular and pedestrian traffic systems. Example applications include: parking garages, stadiums, balconies, plaza decks, pedestrian walkways, rooftop recreational areas, and mechanical rooms. Can also be used under tile and pavers.

Features: Excellent resistance to abrasion and superior durability.
Very fast turnaround from application to service.
Can be applied at temperatures as low as 23°F/-5°C. Contact Neogard if applying below 30°F/-1°C.
Must be mixed with Neogard 600 RTS BPO Initiator (see chart below).

Limitations: Do not apply to damp or contaminated surfaces.
Do not use with carbonate-based fillers.

Availability: Available in North America. Not included in Group Assortment; other regions must confirm.

Colors and packaging:

400 RTS (872J900000)	Clear (tintable)	5-gallon (4.5 gallon fill volume)
600 RTS (95UJB00000)	White	10-lb pail

Physical constants:

Tensile strength:	2,017 psi	ASTM D638
Elongation:	9%	ASTM D638
Shore A:	95	ASTM D2240
Shore D:	60	ASTM D2240
Taber abrasion:	33 mg, 1,000 CS-17	ASTM D4060
Permeance:	0.48 US/0.31 Metric Perm	ASTM 1653
MVT:	159.5mg m ² 1 hour, 3.83g m ² 24 hours	ASTM E96
Volume solids, mixed:	100%	Calculated
VOC:	90 g/L	ASTM D2369
Shelf life:	12 months	

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Version, mixed product
872JB
Base 872J9 : Curing Agent 95UJB

Mixing ratio:
Ratio changes with temperature; see “600 RTS BPO initiator dosages” chart below

Application method:
Flat squeegee

Cleaning of tools:
Neogard 800 RTS PMMA Cleaning Agent only (see “Cleaning of tools” below)

Mixing:
Mix thoroughly 30–45 seconds or until completely mixed (see “Mixing” below)

RTS 600 BPO initiator dosages:	Temperature:	30°F/-1°C	35°F/2°C	40°F/4°C	45°F/7°C	50°F/10°C
Note: 25 fluid ounces of BPO equals 1 pound.	Fluid oz/Gallon:	6	6	5	5	5
	Temperature:	55°F/13°C	60°F/16°C	65°F/18°C	70°F/21°C	
	Fluid oz/Gallon:	4	4	4	3	
	Temperature:	75°F/24°C	80°F/27°C	85°F/29°C	90°F/32°C	
	Fluid oz/Gallon:	3	3	2.5	2	

Product Data Sheet

400 RTS — Topcoat

872JB: Base 872J9 : Curing Agent 95UJB



Safety:	Use with adequate ventilation. Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Neogard Safety Data Sheets and follow all local or national safety regulations.
Surface preparation:	According to Neogard system Guide Specifications.
Preceding coat:	According to Neogard system Guide Specifications.
Subsequent coat:	According to Neogard system Guide Specifications.
Mixing:	Jiffy Mixer preferred. Mix with 600 RTS for 30–45 seconds or until completely mixed. Note: Extended mixing time will shorten working time of the material.
Storage:	Store at or below 77°F/25°C. Protect against direct sunlight. Contains paraffin, which may precipitate below 59°F/15°C.
Cleaning of tools:	Clean tools with Neogard 800 PMMA Cleaning Agent only. Other solvents may contaminate PMMA/PUMA coatings, and cause the coating to cure improperly.

Note: 400 RTS is for professional use only.

Issued by: Hempel (USA) – 872JB

This Product Data Sheet (“PDS”) relates to the supplied product (“Product”) and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the “Additional Documents”):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. 400RTS-PDS ksk 10062021.docx

Neogard®, a part of Hempel
2728 Empire Central - Dallas, Texas 75235 - Phone (214) 353-1600 - Fax (214) 357-7532 - www.neogard.com