

# Product Data Sheet

400 RTS — Topcoat

872JB: Base 872J9 : Curing Agent 95UJB



**Description:** 400 RTS (Hempel 872JB) Topcoat 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

*Some colors may have extended lead times and/or minimum quantities. Contact Neogard for details.*

## 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 <sup>2</sup> 1 hour, 3.83g m <sup>2</sup> 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](http://www.neogard.com).*

## Application details:

**Version, mixed product**  
Mixing ratio: **872JB**  
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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)
	Fluid oz/Gallon:	6	6	5	5	5
Note: 25 fluid ounces of BPO equals 1 pound.	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	

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<b>Safety:</b>	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.
<b>Surface preparation:</b>	According to Neogard system Guide Specifications.
<b>Preceding coat:</b>	According to Neogard system Guide Specifications.
<b>Subsequent coat:</b>	According to Neogard system Guide Specifications.
<b>Mixing:</b>	Jiffy Mixer preferred. Mix with 100 RTS, 200 RTS, 300 RTS, or 400 RTS for 30–45 seconds or until completely mixed. Note: Extended mixing time will shorten working time of the material.
<b>Storage temperature:</b>	Store at or below 77°F (25°C). Protect against direct sunlight. Contains paraffin, which may precipitate below 59°F (15°C). Mix thoroughly before use.
<b>Cleaning of tools:</b>	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 supersedes those previously issued.

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