



TOUGH AND TINTABLE PROTECTIVE COATING

RAPTOR Texture & Equipment Selector Guide for Spray Applications

RAPTOR is a durable, versatile protective coating that may be applied by brush, roller, or spray equipment. The guidelines below feature options for achieving various textures with RAPTOR application guns, HVLP guns, as well as the 3M™ Performance Spray Gun H/O.

Option #1: Standard Application of RAPTOR with UP0726 and UP4880 Application Guns

1. Activate RAPTOR bottle with hardener at a 3:1 mix ratio.
2. Shake for 2 minutes.
3. Adjust inlet air pressure then attach application gun to RAPTOR bottle.
4. Spray test panel to ensure desired texture is achieved.
5. Apply 2 coats with an even sweeping motion allowing 60 minutes to flash between coats. If applying additional coats, allow to flash off for 60 minutes between coats.

OPTIONAL: If converting to a disposable lid and liner system, replace the gun's pick-up tubes with the following adaptors.

RAPTOR Gun Options

- UP0726 RAPTOR Application Gun
- UP4880 RAPTOR Professional Vari-Nozzle Gun

3M™ PPS™ Cup System

- S12 adaptor #26015
- S8 #26015

DeVilbiss D Kup System

- DPC-502

UP0726 RAPTOR APPLICATION GUN		
Texture	Inlet Pressure	Distance from Object
Coarse	45 – 50 PSI (3.1 – 3.4 Bar)	18" (45 cm)
Medium	60 – 65 PSI (4.1 – 4.5 Bar)	24" – 30" (61 – 71 cm)

UP4880 RAPTOR PROFESSIONAL VARI-NOZZLE GUN			
Texture	Inlet Pressure	Nozzle Adjustment	Distance from Object
Coarse	45 – 50 PSI (3.1 – 3.4 Bar)	From closed position: Open 3 - 5 turns	24" – 30" (61 – 71 cm)
Medium	55 – 65 PSI (3.8 – 4.5 Bar)	From closed position: Open 1 1/2 - 2 turns	24" – 30" (61 – 71 cm)



Option #2: Standard Application of RAPTOR with 1.6-2.5 mm HVLP Gravity-Fed Gun

1. Activate RAPTOR with hardener at a 3:1 mix ratio in a graduated mixing cup.
2. Add 15% of urethane reducer* into the mixing cup.
3. Stir for 2 minutes.
4. Pour contents into spray gun cup, adjust fan pattern, and follow guidelines (increase fluid flow for coarser texture; reduce fluid flow for finer texture).
5. Spray test panel to ensure desired texture is achieved.
6. Apply 2 coats with an even sweeping motion allowing 60 minutes to flash between coats. If applying additional coats, allow to flash off for 60 minutes between coats.

Texture	Tip Size**	Inlet Pressure	Distance from Object
Medium	2.0 – 2.5 mm	See gun manufacturer's recommendations	8" – 12" (10 – 30 cm)
Fine	1.6 – 1.8 mm	See gun manufacturer's recommendations	8" – 10" (10 – 25 cm)

*Addition of urethane reducer may affect VOC. Please check local regulations for suitable reducers.

**For even finer textures, tip sets smaller than 1.6mm may be used; however, additional reduction of RAPTOR between 15% and 25% may be necessary.

Option #3: Standard application of RAPTOR with 26832 3M™ Performance Spray Gun H/O

Texture and setting examples require H/O Conversion Pack (26837).

1. Activate RAPTOR with hardener at a 3:1 mix ratio in a graduated mixing cup.
2. Stir for 2 minutes.
3. Pour contents into spray gun cup and use tip size 2.0 mm.
4. From a closed position, open fan adjustment and H/O pressure knob adjustment 1 full turn.
5. Spray test panel to ensure desired texture is achieved.
6. Apply 2 coats with an even sweeping motion allowing 60 minutes to flash between coats. If applying additional coats, allow to flash off for 60 minutes between coats.

26832 3M™ PERFORMANCE SPRAY GUN H/O			
Texture	Inlet Pressure	Fluid Adjustment	Distance from Object
Coarse	4 – 6 PSI (.27 - .41 Bar)	From closed position: Open 2 - 2 1/2 turns	8" – 12" (10 – 30 cm)
Medium	10 PSI (.69 Bar)	From closed position: Open 1 1/2 turns	8" – 12" (10 – 30 cm)
Fine	10 PSI (.69 Bar)	From closed position: Open 1 turn	8" – 10" (10 – 25 cm)
Extra Fine	15 PSI (1 Bar)	From closed position: Open 1 turn	8" – 10" (10 – 25 cm)



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26121 Midi H/O cup for 3oz, 6.8oz, and 13.5oz PPS™ liners.

26124 Large H/O cup for 22oz and 28oz PPS™ liners.

For additional information, please see the 3M™ Performance Spray Gun Owner's Manual for more information.



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