

SECTION 03 35 43

Formatted Specification Addendum for LEVEL C GLOSS ULTRAFLO[®]R DIAMATIC[®] Polished Concrete System

PART I – GENERAL

1.01 SUMMARY

- A. This is the recommended addendum for the ULTRAFLO[®]R DIAMATIC[®] Polished Concrete System, Level C finish.
- B. Complete installation details are provided in the DIAMATIC[®] Technical Brochures available at www.diamaticusa.com.

1.02 SECTION INCLUDES

- A. Products and procedures for the installation of the ULTRAFLO[®]R DIAMATIC[®] Polished Concrete System to achieve a level C, high gloss finish.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The ULTRAFLO[®]R DIAMATIC[®] Polished Concrete System consists of a process and products engineered and manufactured by DIAMATIC[®]. Any substitutions are not permitted and void warranty.
- B. Installer Qualifications:
 - a. Installer must be a DIAMATIC[®] CERTIFIED installer for the ULTRAFLO[®]R Polished Concrete System, including the use of DIAMATIC[®] equipment and diamond abrasives, and DIAMATIC[®] concrete preparation, and chemical hardening and finishing materials.
 - b. Installer must be experienced in performing specified work similar in design, products and scope of this project, with a documented track record of successful, in-service performance and with sufficient production capabilities, facilities and personnel to produce specified work.
 - c. A factory-trained, competent supervisor must be maintained on site during all times during which specified work is performed.
 - d. National brand specific projects must have DMS (Diamatic Management Services) personnel present during the pre-construction conference to insure quality control standards are in compliance.
 - e. A current list of qualified installers may be obtained through DIAMATIC MANAGEMENT SERVICES, DIAMATIC USA 866-295-5512

3.04 POLISHING ADDENDUM

- A. LEVEL C– High gloss reading of 56 or above.
 1. GRIND/POLISH #1: DIAMATIC 60/80 Grit Metal Bonded Diamonds.
 2. Broom and vacuum the floor to remove all residual dust.
 3. GRIND/POLISH #2: DIAMATIC #1 Transitional Diamonds, Ceramic Bonded.
 4. Broom and vacuum the floor to remove all residual dust.
 5. GRIND/POLISH #3: DIAMATIC 200 Grit Resin Bonded Diamonds.
 6. Broom and vacuum the floor to remove all residual dust.
 7. Apply DIAMATIC FLOR-SIL™ per application instructions at a rate of 400 square feet per gallon.
 8. Allow DIAMATIC FLOR-SIL™ to dry 1 hour before continuing on to the next step.
 9. GRIND/POLISH #4: DIAMATIC 400 Grit Resin Bonded Diamonds.
 10. Broom and vacuum the floor to remove all residual dust.
 11. GRIND/POLISH #5: DIAMATIC 800 Grit Resin Bonded Diamonds.
 12. Broom and vacuum the floor to remove all residual dust.
 13. GRIND/POLISH #6: DIAMATIC 1500 Grit Resin Bonded Diamonds.
 14. Broom and vacuum the floor to remove all residual dust.
 15. MICROPOLISH/BURNISH #1: FLOR-GRIT 1500 Diamond Impregnated Pad.
 16. Dry mop the floor clean to remove all debris. Check gloss level here; if not above a 56 then continue to a 3000 grit resin bonded diamond.
 17. Apply DIAMATIC FLOR-FINISH (High Gloss) per application instructions at a rate of 2,500-3,000 square feet per gallon.
 18. Allow to dry a minimum of 15-30 minutes.
 19. MICROPOLISH/BURNISH #2: FLOR-GRIT 1500 Diamond Impregnated Pad.
 20. Dry mop the floor clean to remove all debris.
 21. Apply DIAMATIC FLOR-FINISH (High Gloss) per application instructions at a rate of 3,000 square feet per gallon, 90 degrees to the first application.
 22. Allow to dry a minimum of 15 minutes.
 23. MICROPOLISH/BURNISH #3: FLOR-GRIT 3000 Diamond Impregnated Pad.

END OF SECTION