

SYSTEM DESCRIPTION

CastorCrete® Bio Floor HDF/HDQ has been engineered as a hybrid flooring system consisting of CastorCrete SL polyurethane cement slurry base, and epoxy pigmented receiving coat, broadcast vinyl flakes or colored quartz aggregate, grout coat and top coated. Typical installation thicknesses between 1/4 inch (6.35 mm) and 5/16 inch (9.5 mm).

PURPOSE

CastorCrete Bio Floor HDF/HDQ is a medium duty aesthetically pleasing flooring system that is ideal for biotech, pharmaceutical, animal and research facilities, wet and dry processing areas, clean rooms, food and beverage processing and manufacturing.

TYPICAL USES

- Food Processing
- Vivariums
- Research Facilities
- Laboratories, Animal Housing
- Beverage
- Food Preparation

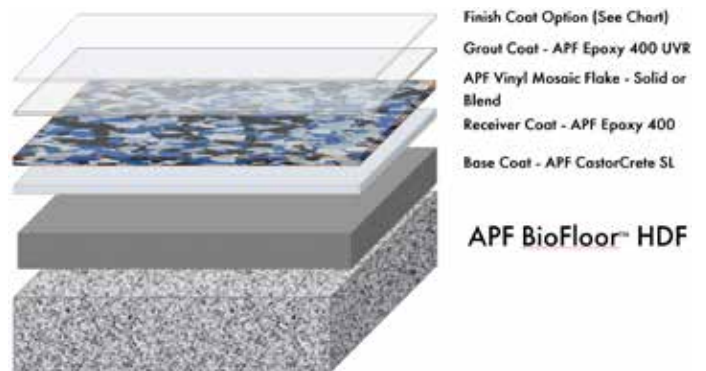
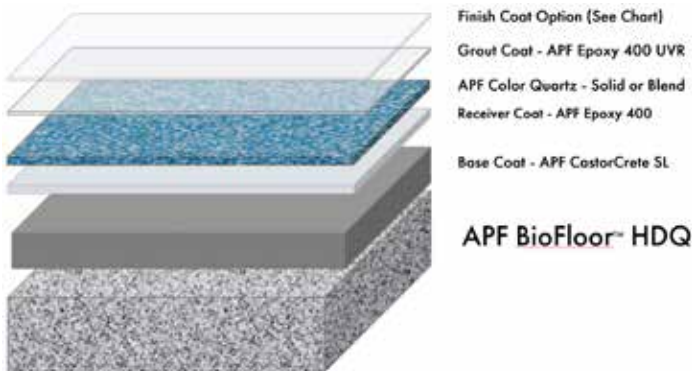
ADVANTAGES

- Aesthetically Pleasing
- Zero VOC urethane cement slurry mortar
- 100% Solids Epoxy and Low VOC Polyurea and Polyurethane Finish Coat Options
- Fast Installation
- Moisture Tolerant
- Thermal Shock Resistant
- Impact and Abrasion Resistant
- Chemical Resistant to Organic and Inorganic Acids, Salts, Alkali
- UV Resistant Top Coats
- Excellent Light Reflectivity
- Superior Life Cycle Advantages

COLORS

CastorCrete Bio Floor HDF/HDQ is available in standard and custom colors. Colored quartz aggregate 9 solid colors, 14 blended and infinite custom blends. Vinyl flake 26 solid colors, 12 blends and infinite custom blends.

Typical System Build



Typical System Buildup

Coat	Product	
Base	APF CastorCrete SL	1/4-inch (6.3mm)
1st Broadcast Coat	APF Epoxy 400 UVR	16 mils (100 sq. ft./gallon)
Broadcast	APF Color Quartz or Vinyl Flake	~ 0.12 - 0.15 lbs/sq.ft.
Grout Coat	APF Epoxy 400 UVR	16 mils (100 sq. ft./gallon)
2nd Grout Coat (Optional to Reduce Texture)	APF Epoxy 400 UVR	8 - 12 mils (135 - 200 sq. ft./gallon)
Finish Coat	APF Polyurethane 100 or 100 VOC	4.5 - 6 mils (275-350 sq. ft./gallon)
Optional Finish Coat #1	APF Polyurethane 501 or 501 Satin	4.5 - 6 mils (275-350 sq. ft./gallon)
Optional Finish Coat #2	APF Polyurethane 325	4 - 4.5 mils (350-400 sq. ft./gallon)
Optional Finish Coat #3	APF Polyurea 5000 or 5001	16 mils (100 sq. ft./gallon)
Optional Finish Coat #4	APF Polyaspartic 7500, 7500 VOC, 7500 Low Odor, 7500 Satin	16 mils (100 sq. ft./gallon)

For complete substrate preparation, coverage, mixing and application instructions, refer to the APF CastorCrete SL and finish coat product data sheets. Contact your Arizona Polymers sales professional or Technical Service for additional support.

APF CastorCrete HDF/HDQ 02.12.2021

Standard Warranty

ICP BUILDING SOLUTIONS GROUP, the owner of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defect. No warranty shall be in effect until ICP Building Solutions Group Terms and Conditions of Sales are met, including payment and cooperative promotional considerations. ICP Building Solutions Group warrants that the covered product is free of defect and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is installed within its published shelf life, in strict conformance with specifications, and/or written project-specific installation guidance from authorized representation. ICP Building Solutions Group warrants only when product is handled, stored, mixed and applied in accordance with published recommendations. It is purchaser responsibility to initiate any claim against this warranty within a reasonable time. If determined by ICP that the product does not meet this warranty, the liability of ICP Building Solutions Group shall be limited to refund of the purchase price or provision of replacement product, neither needing to exceed the affected area as determined by a person authorized to perform technical representation for ICP Building Solutions Group. To obtain a replacement or refund the customer must provide written notice containing full details of the non-conformity suspected. The purchaser, owner or their representative shall notify ICP Building Solutions Group, in writing, within five (5) working days concerning any potential defect, or as needed before conditions deteriorate and increase repair costs. ICP Building Solutions Group reserves the right to inspect the non-conforming material prior to replacement. ICP Building Solutions Group may in its discretion refund the purchase price received by ICP Building Solutions Group in lieu of replacing the material. Except for the expressed warranty stated above, there are no other warranties, expressed or implied, including without limitation, any implied warranty of merchantability or fitness for purpose. ICP Building Solutions Group's obligation shall not extend beyond the obligations expressly undertaken above and ICP Building Solutions Group shall have no liability or responsibility to purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages. No customer, distributor, or representative of ICP Building Solutions Group is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of ICP Building Solutions.