Heli-Bound™

10-Part Specification
1. Product Name
HB Elite

Seamless colored rubber heliport surfacing

2. Manufacturer
Heli-Bound LLC
3071 Cinnamon Dr. W
West Salem, Oh. 44287
(330)610-7055

E-mail:Info@Helibound.com
www.helibound.com

3. Product Description
BASIC USE
Heli-Bound™ is designed specifically as a heliport surfacing system.

COMPOSITION & MATERIALS
Heli-Bound™ Surface consisting of recycled post-industrial EPDM (ethylene propylene diene monomer) rubber, SBR rubber and aromatic or aliphatic urethane binder.

Heat trace specifications upon request

Specify project requirements and coordinate with working drawings.

Typical design edge details are available upon request: Gary Davis (330)610-7055

SURFACE THICKNESS
2” thick

TOP SURFACE COLORS
• Primary Red

• Terra-Cotta

• Lt.Blue

• Dk.Blue

• Bright Green

• Lt.Green

• Dk.Green

• Lt.Gray

• Dk.Gray

• Purple

• Orange

• Lt. Beige

• Dk.Beige

• Brown

• Eggshell

• White

• Yellow

• Black

Color blending creates a speckle effect.

4. Technical Data
APPLICABLE STANDARDS
ASTM International
• ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers- Tension
• ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
• ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish- Coated Floor Surfaces as Measured by the James Machine
• ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials
• ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

APPROVALS

FAA

CAA

PHYSICAL/CHEMICAL PROPERTIES
• Tensile strength (ASTM D412) -  psi 245
• Tear resistance (ASTM D624) - 410%
• Dry static coefficient of friction (ASTM D2047)
• Wet static coefficient of friction (ASTM D2047)
• Dry skid resistance (ASTM E303) -
• Wet skid resistance (ASTM E303)
Operating Temperature

• -80 F to 450 F (500 intermittent)
• Top-Surface - 100 Lbs. EPDM & 26% Polyurethane

• Base-Surface 100 Lbs. SBR & 20% Polyurethane

FIRE PERFORMANCE
Flammability (ASTM D2859)

5. Installation
PREPARATORY WORK
Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).

METHODS
Do not proceed with helipad surfacing installation until all applicable site work, including substrate preparation, lighting installation and other relevant work, has been completed.
Substrate preparation must be in accordance with surfacing manufacturer’s specification. New asphalt / concrete must be fully cured .

HB ELITE

Roll entire concrete surface with flexible polyurethane. Install 1.5 inches of SBR rubber utilizing a rubber mixer, screeds and hand trowels.

Install heat trace.

Using screeds and hand trowels shape the ½” colored E.P.D.M. rubber top layer in accordance with FAA, CAA or Maritime marking guidelines.

Roll entire finished surface with clear aliphatic flexible-polyurethane.

For more information on the installation process please call (330)610-7055 or email: Info@helibound.com

PRECAUTIONS
Protect the installed Helipad surface from damage resulting from subsequent construction activity on the site.
BUILDING CODES
Current data on product compliance may be obtained from the manufacturer’s technical support specialists.
6. Availability & Cost
AVAILABILITY

Heliport surfacing systems are available from Heli-Bound LLC (330)610-7055

COST
Budget installed cost information may be obtained from Heli-Bound LLC
7. Warranty
HB elite, HB pro and HB one heliport surfacing all come with a full 5 year warranty.
8. Maintenance
Hose off entire Helipad surface to remove food, drink, sand, dirt and loose debris. A pressure washer may be used, but do not exceed 1500 psi (10 MPa) pressure or place nozzle closer than 12" (305 mm) to surface. While surface is still damp, apply a mild household or commercial cleaner to a small area using a sprayer. Scrub using a medium bristle brush. Repeat as necessary on heavily stained areas. Once entire surface has been cleaned, rinse using a garden hose with spray nozzle attachment. Complete maintenance recommendations are available from the manufacturer.
9. Technical Services
Heli-Bound LLC works closely with the architect, contractor and/or the end user to ensure the site is prepared and the installation is on schedule. For technical assistance, contact Heli-Bound LLC. (330)610-7055

10. Filing System all records will be kept by Helibound LLC