

PRODUCT MANUFACTURER:

LINE-X® Franchise Development Company
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DESCRIPTION:

ASPART-X IC320 is a 0 VOC, aliphatic coating designed as an abrasion resistant topcoat for polyurea and polyurethane systems or as a stand-alone product over properly prepared substrates. It is available in five standard colors (can be custom colored) and in three optional non-skid finishes for a wide range of flooring and decking applications. For applications requiring additional water resistance. ASPART-X IC320 is available in a super water-resistant grade.

FEATURES:

- Solvent Free – Zero VOC, no flammability issues, minimal environment impact.
- Aliphatic – Excellent color and gloss retention.
- Fast Cure – High productivity.
- Waterproof – Excellent longevity in outdoor exposure.
- Food Safe – CFIA approved for floors/walls/ceilings in food processing facilities.

POTENTIAL APPLICATIONS

- Industrial equipment
- Deck coatings
- Garage floors
- Industrial, commercial flooring
- Swimming pools
- Food processing plant walls, floors and ceilings
- UV resistant overcoat (polyurea and polyurethane)

APPLICATION GUIDELINES:

The application details provide general procedures to be followed for all applications of ASPART-X IC320. Prior to application, proper surface preparation is required. Surface must be clean, dry and in sound condition. Remove all oil, dust, grease, loose particles and rust. Apply at 3-10 mils wet film thickness per coat. Optimum wet film thickness will vary with project specifics. See individual application details.

MIXING INSTRUCTIONS:

This is a two-component system. First, mix ASPART-X IC320 Resin thoroughly before use. Combine equal parts of ASPART-X IC320 Resin and ASPART-X IC320 Iso by volume. Use care when mixing to avoid incorporation of air. This process in total should take no more than 1-1/2 minutes. Mix only the volume used within the pot-life. If necessary, ASPART-X IC320 may be thinned using Xylene or MEK.

Allow at least 2 hours before light foot traffic and 24 hours before return to service. Cure time is very dependent on temperature and humidity. In cold dry conditions the cure time will be significantly prolonged.

AVAILABILITY:

ASPART-X IC320 is packaged in 2 gallon and 10 gallon kits.

PROPERTIES:

Finishes:	High Gloss, Non-Skid ¹ Semi Gloss
Color:	Clear; five standard colors or custom colors available
Volume Solids:	100%
VOC:	0
Mix Ratio:	1:1 (Volume) (Resin: ISO)
Durometer	
Hardness:	85A
Pot Life:	40 minutes
Tack Free:	60 minutes*
Foot Traffic:	2 hours
Recoat:	1-18 hours
Clean Up:	Methyl Ethyl Ketone (Resin & ISO components)

*Drying time is temperature, humidity and film thickness dependent. Thicker films will take longer to through-cure. High humidity will shorten cure time.

¹There are 3 different grades of non-skid available

²Optional reducer available for gloss reduction

*Approximate values only. Should not be considered specifications. This data is intended for general information only.

PROJECT SPECIFIC APPLICATIONS:



The following application details provide general guidelines for specific applications. All applications require proper surface preparation as stated above.

Concrete Surfaces

Sealed or hardened concrete surfaces may require shot blasting or grinding and/or primer coat prior to application of ASPART-X IC320. Always perform on-site adhesion test prior to application. If surface of concrete is very rough, a coat of self-leveling primer/membrane is recommended.

Concrete moisture content can vary widely depending on work-site conditions. Sealing wet or humid concrete can lead to blistering and/or delamination of coating. In general, coating work on exterior concrete slabs should be done when the concrete is dry and at maximum surface temperature. If cool concrete is coated in the morning, the afternoon heat can cause enough vapour pressure to blister the coating.

Metal Surfaces

Sandblasting and priming is recommended for best performance. When applying ASPART-X IC320 directly to metal surfaces, ASPART-X IC320 ISO DTM must be used to ensure maximum performance.

Non-Skid Finish

ASPART-X IC320 can be used to produce a durable non-skid finish with three option textures. NS-100 is recommended for most flooring and decking applications. It provides adequate traction and an easy to clean surface. The desired non-skid additive should be added to the ASPART-X IC320 Resin component and thoroughly blended prior to mixing with the ISO. Apply at a maximum wet film thickness of 3 mils for best results. If wet film thickness is too high the non-skid effect will be lost and surface appearance will not be uniform. If higher film build is required apply multiple thin coats for best performance and uniform appearance. Optionally, the non-skid coat can be applied as the final coat only.

Color Chip Flooring

Color chips can be used in conjunction with ASPART-X IC320 to create an attractive and durable surface coating. It is recommended that the coatings contractor perform in-house testing

and evaluation to determine the best technique for their specific applications.

For general use, refer to the following procedure:

Step 1: Apply ASPART-X IC320 color coat at approximately 300 square feet per gallon to provide a uniform color base. Color choice will depend on the color chip selection. Allow surface to dry to tack free (approx. 3-4 hours).

Step 2: Apply a second coat of ASPART-X IC320 color coat at approximately 600 sq. ft. gallon. Broadcast color chips uniformly to surface. The amount of color chips used will depend on the desired effect. Allow surface to cure approximately 3-4 hours.

Step 3: Apply ASPART-X IC320 clear coat at approximately 150 sq. ft. per gal. Apply additional coats if a very smooth surface is desired.

These procedures are not intended as specific application instructions. The amount used and final appearance will depend on the specific project undertaken. Proper surface preparation, job-site conditions and adequate safety precautions are the responsibility of the coatings contractor. Refer to the technical data for ASPART-X IC320 for details on cure times and performance characteristics.

Accent Color Flooring

ASPART-X IC320 accent colors can be used to create a durable, granite-like, attractive floor finish. Accent colors can be used as an alternative to color chips where a more durable and less textured finish is desired.

For general use, refer to the following procedure:

Step 1: Apply ASPART-X IC320 color coat at approximately 300 sq. ft. per gal. to provide a uniform color base. Color choice will depend on the color chip selection. Allow surface to dry to tack free (approx. 1-3 hours).

Step 2: Apply ASPART-X IC320 splash accent color using splatter-gun at desired setting. Size and concentration of splash accent colors will depend on splatter-gun setting and speed of each pass. Allow the surface to cure for approximately 1-3 hours.



Step 3: Apply additional splash accent colors as in Step 2. Two or three splash accent colors are used in typical applications. Allow 1-3 hours cure time after final splash accent color.

Step 4: Apply ASPART-X IC320 clear coat at approximately 300 sq. ft. per gal. These procedures are not intended as specific application instructions. The amount used and final appearance will depend on the specific project undertaken. Proper surface preparation, job-site conditions and adequate safety precautions are the responsibility of the coatings contractor. Refer to the technical data for ASPART-X IC320 for details on cure times and performance characteristics.

Decking

ASPART-X IC320 is used as a finish coat on decking systems to provide color stability, durability and stain resistance.

MATERIAL STORAGE:

Store in a cool and dry place for product integrity. Store in tightly sealed containers to protect from moisture and foreign materials. Moisture contamination will result in significant reduction in pot-life.

SAFETY AND HANDLING:

Please refer to MSDS for safety and handling of this material. All personnel working with this material are expected to read and understand all safety recommendations per MSDS. All personal protection equipment must be properly worn to comply with worker health and safety guidelines.

PRODUCT USER RESPONSIBILITIES:

Users of the ASPART-X IC320 product are responsible for reading the general guidelines, product data sheets, specifications and material safety data sheets (MSDS) before using this material. Printed technical data and instructions are subject to change without notice. Contact your local LINE-X representative or visit our website www.LineX.com for current technical data instructions.

PRODUCT DISCLAIMER:

All guidelines, recommendations, statements, and technical data contained herein are based on

information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and LINE-X FDC makes no claim that these tests or any other tests accurately represent all environments.

