



inside pull handle shall be provided. **08 Floors** be the same as specified for wall panels.

j. Large exterior pull-handle of chrome plated, die-cast zinc and steel recessed

a. Floors are optional and when provided floor construction and insulation shall

b. Floors are rated to withstand a uniformly distributed stationary load of 1,200 per square foot. Heavy duty structural floors are available when specified. Please contact your Arctic Sale Representative for additional information.

h. Corners shall be constructed of a corner panel which incorporates the corner in the panel providing superior strength and structural integrity over butted corners. i. Panels shall meet NSF STD 7 and be EISA compliant.

j. Panels can meet customer's specifications with angled walls, notches, corner cut outs and sloped ceilings. 03 Insulation

a. Insulation shall be 4" or 5-3/8" thick and shall be "foamed-in-place" to form a rigid insulation block that is perm nently bonded to the interior and exterior metal skin b. Panel core insulation shall be CFC-free Class 1 fire rated urethane. The core insulation shall be classified to UL 723 (ASTM E84) with a flame spread ≤25 and a smoke

c. Insulation shall have a K factor ≤0.125 BTU/hr/sq.ft. per °F/inch at 20°F and ≤0.138 BTU/hr/sq.ft. per °F/inch at 55°F in accordance with ASTM C518-2004. The R factor for 4" thick cooler panels is 28 and for freezers is 32. The R factor for 5-3/8" thick cooler panels is 39 and for freezers is 43.

04 Finish a. Interior and exterior wall and ceiling finish options are virtually limitless and are tailored to the functional and artistic needs of each customer and project. The most common finishes are: 26 gauge stucco embossed galvalume, 26 gauge stucco embossed bright G-90 galvanized steel, 26 gauge white stucco embossed galvalume, 26 gauge white stucco embossed G-90 galvanized steel, 26 gauge smooth galvalume, 26 gauge smooth bright G-90 galvanized steel, .032" stucco embossed aluminum, .040" smooth white aluminum, and 22 gauge #4 finish 304 stainless steel. Please contact your Arctic Sale Representative for additional information on the wide variety of custom materials,

# **05 Electrical**

finishes and embossments available.

density of <450.

a. Wiring shall be concealed in the interior of the door frame and foamed-in-place to eliminate internal conduit runs and provide a more sanitary and aesthetically look. b. Standard electrical services requirements are 120 volt, 60 cycle, 1-phase, 15 amp rcuit. Please contact your Arctic Sales Representative for accommodation of othe electrical service requirements.

c. The interior wiring shall extend out the top of the door frame for the primary electrical power connection. For indoor applications the ceiling panel will have a corresponding ole to align with the door frame electrical power. For applications with auxiliary lighting a switched auxiliary wire shall also extend out the top of the door frame.

d. Field wiring of the primary electrical power connection and auxiliary lighting shall be the customers responsibility and be performed by a qualified electrician to the National Electric Code and all applicable local standards. Field wiring typically involves mounting a junction box on the roof of the cooler and routing the provided interior wiring into the junction box. Auxiliary lighting is typically wired from the outside of the cooler with penetrations made by the electrician into the cooler interior for connection to the

auxiliary lighting. All field wiring must be properly sealed to prevent air leakage and condensation inside of the conduit and auxiliary light fixtures. e. Door frames shall be provided with an integral ultra-bright LED temperature display and light switch.

f. Door frames shall be provided with a vapor proof light fixture on the interior centered above the door. This fixture shall be either a LED fixture or an Edison style base socket.

g. Arctic can install concealed electrical wiring with receptacles mounted flush within the interior/exterior of panels for specific customer needs.

h. Arctic can install concealed copper cold water lines up to ½" diameter pipe for specific customer needs.

06 Hinged Doors a. Doors shall be of in-fitting and of flush construction and bear a label indicating electrical certification to UL STD 471.

b. Doors available in bi-parting if requested. c. Walk-in cooler door jambs shall be constructed of structural FRP pultrusions with mitered corners that are foamed-in-place to provide superior rigidity and prevent twisting and door sag.



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c. Floor wear surface shall be smooth aluminum. Other floor wear surfaces are available and ted to 16 gauge 304 #4 finis tread plate. Please contact your Arctic Sale Representative for additional information d. Ramp wear surfaces are 16 gauge stainless steel or aluminum diamond treadplate with a

1/2" wood backer foamed-in-place to structural cross supports.

e. NSF cove to be formed and foamed-in-place in floor panels. f. Floorless walk-in coolers shall be provided with steel "U" channel and integral NSF 6" cove for field installation by customer both inside and out.

g. Cooler floor panels are available in thicknesses ranging from 2" to 5-3/8".

09 Closures and Trim a. Matching ceiling closure panels and vertical trim strips for finishing between walk-in walls and building walls and building ceiling shall be supplied when specified and noted on the approved project drawings. Customer may select any style of custom configuration to meet

10 Accessories A wide array of optional accessories are offered to meet the exact customer and project

a. Viewports (windows) on doors b. Windows on walls c. Reach-In doors: solid or glass d. Aluminum and stainless steel bumper rails and hat channels. e. 3-way light switches f. A wide range of LED lighting options g. Outdoor roof membrane packages, multiple colors h. Alarm systems (temperature, door ajar, panic alarm, etc.)

requirements. Some of the more common accessories provided are:

i. Alarm systems can be wired to multiple boxes, to a remote communicator for a onnection to a customer is monitoring system. j. Clear View single or bi-parting swing doors.

k. Foamed-in-place backing for attachment of shelving or other structural requirements . Doors positioned right up against the adjacent wall with zero jamb clearance.

m. Wide variety of glass reach-in doors in sizes and colors to meet customer specifications. Shelving and LED lights included. n. Diamond Treadplate or Stainless Steel, 36" -48" wainscoting for interior or exterior

installation to protect walls. o. Cooler floor panels as thin as 2".

p. Corners at an angle ranging from 0 - 180°

q. Seismic engineered stamped drawings and seismic mounting components r. Please contact your Arctic Sales Representative for accessories to meet your unique

requirements. **11 Refrigeration** 

ensive selection of refrigeration systems, air and water-cooled, in top mount a. A compre self-contained, pre-assembled remote, and remote configurations are available to meet the exact customer and project requirements.

b. Evaporators that are of low profile, center mount, or medium profile with a maximum 70' throw. Coils can be manufactured with rust proof coating to meet customer's specific product needs.

12 Warranty a. Panels shall include a 15-year performance warranty, doors and door assemblies shall

include a 5-year materials and workmanship warranty, and refrigeration shall include a 1-year parts and labor warranty. c. Warranty is only valid if walk-in and refrigeration is installed by a factory authorized

installer incorporating ASHRAE standards and practices. d. This is a warranty summary only. The actual walk-in warranty is governed by our

program which may result in change without notice to this specification.

complete warrant document which may be found at https://www.arcticwalkins.com/literature-3/miscellaneous/. Please note that we have a continuous product development and improvement

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TREATMENT FOR EXISTING WOOD PLATFORM BELOW WALK-IN COOLER https://flameoffcoatings.com/fire-retardant-clear-spray?gclid=Cj0KCQiA-qGNBhD3ARIsAO o7yleVKIffZDP-Grwoqv2VgS3kNYBG 3hKoRqxRKfRZoeeestzERQIRIaAjCuEALw wcB

FlameOFF<sup>®</sup> FR Clear

election & Specification Data An innovative environmentally friendly clear fire Description retardant for applications over water absorbent substrates. Water- based and non-toxic. For interior use only, this product has not been tested for exterior applications. Free of bromides, halogens, organic compounds Features and other banned or toxic substances. Non-toxic to humans & the environment; no toxic fumes or smoke released • When fire is present, treated materials will not ignite or spread flame. Fire is limited to its initial fuel source; afterglow is eliminated Soft hand on textiles & leather, preserves natural look and finish of the material. High heat transfer protection (HTP) Takes less product to protect more. Solution is less expensive and lighter in weight Easy application & clean-up; colorless & odorless Physical Data Clear to slightly hazy liquid Appearance Density 10.21021 lb/gal Specific Gravity 1.22345 67 Water Solubility Complete Odor Description Odorless VOC 0% esting / Certification FlameOFF® FR Clear Listing bears the UL Certification Mark for meeting the UL723/ASTM E-84 Test for

> Certifications Directory at www.ul.com/database for additional information). ASTM E84/UL 723 NFPA 701

Surface Burning Characteristics of Building \*See UL Fire Materials (see UL Online Resistance Directory R40252

any such use is assumed.

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Packaging

Shelf Life

Email: info@flameoffcoatings.com

FlameOFF

Standards

Tested To





# Submittal Data Sheet

## **Application Rates**

Substrate

Wood

Natural/

Leather

Coverage

Rate

Curing

How To

Apply

ellular Fibers

Natural/ Synthetic Blend

nthetic Fibers

Strength	Dilution FR Clear: Water	Application Method	Rating Achieved
100%	None	Spray or Dip	E84/UL 723 Class A
50%	1:1	Spray	NFPA 701
50%	1:1	Spray *Back of hide. Do not spray face/grain.	NFPA 701
100%	None	Spray	NFPA 701
100%	None	Spray	NFPA 701

300 sq ft/gallon at full product strength

During drying process, keep temps below 160°F. Do not use infrared heat, as this may cause chalking

FlameOFF® FR Clear may be applied by using a size press, pad, dip, shower spray or spray bottle application. Usage rates of this product may vary between 300-600 SQFT/GALLON depending on pickup and type of material construction. The applicator is responsible to determine the method of application and amount to apply to meet the required standard on the materials needing to be protected. Surface must be dry to the touch prior to application.

FOR TEXTILE APPLICATIONS: A small fabric sample should be processed with FlameOFF® FR Clear in order to test the suitability of the material to accept the product with no damage to the finish/appearance of the textile. Field tests may show that FR Clear maintains effectiveness over some textiles at lower concentrations. In such cases, the customer must perform additional testing to verify the suitability of a reduced concentration for their specific textile. Consult FlameOFF® Coatings Technical Team for guidance.

### Packaging, Handling & Storage

12 Months Shelf life when kept at recommended storage conditions (45-105° F/7-40°C, indoors, dry) and in original unopened container

32 oz, 1 Gal, 5 Gal

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