AIA® Document G716™ – 2004

Request for Information ("RFI")

TO:
Brian T. Dunn, AIA
KG+D Architects, PC
285 Main Street
Mount Kisco, NY 10549

FROM: Piazza Inc.
3 W. Stevens Ave
HAwthorne, NY 10532

PROJECT:
Harrison, Town-Village Recreation Center Phase 2
270 Harrison Avenue
Harrison, NY 10528

ISSUE DATE: 04/01/2025 **RFI No.** 057 - Ardex CM Rapid

REQUESTED REPLY DATE: ASAP

PROJECT NUMBERS: 2020-1005 /

COPIES TO:

RFI DESCRIPTION: In response to the architect's comments on Ardex MC Rapid, that is a vapor-retarder. It would only be used in cases where Relative Humidity in the slab surpass the thresholds of adhesives used in those area. JHC will perform moisture testing and advise if manufacturer required conditions are not met and advise on the method to mitigate. Please confirm.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*
SPECIFICATIONS: **DRAWINGS:** **OTHER:**

SENDER'S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

RECEIVER'S REPLY: *(Provide answer to RFI. including cost and/or schedule considerations.)*

Confirmed that slab testing will be performed in accordance with Spec Section 096110- Vapor Mitigation at Slabs, with the appropriate if any methods of mitigation listed there. The Ardex MC Rapid is an acceptable product listed in that section.

Brian Dunn	2025-04-02	
BY	**DATE**	**COPIES TO**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

SUBMITTAL COVER SHEET

Contractor: Piazza Inc

Address: 3 W. Stevens Ave Hawthorne NY 10532 **Telephone:** (914) 741-4435

Owner: Town/Village of Harrison

Name of Project: Harrison Recreation & Community Center Phase 2

TYPE OF SUBMITTAL:

- ☐ Shop Drawings
- ☑ Technical Data
- ☐ Test Report
- ☐ Schedule
- ☐ Certificate
- ☐ Warranty
- ☐ Physical Sample
- ☐ Color Sample
- ☐ _____

Submission #: 1st 2nd 3rd 4th (circle one)

Description:

Product Identification: 096800 - 001r01 - Carpet Tile (CPT-1 & CPT-2) Product Data

Manufacturer:

Subcontractor/Supplier: John Herbert Company

DOCUMENT REFERENCES: (Must be fully filled out)

Spec Section No.: 096800 Drawing No(s):

Paragraph: 2.2 & 2.3 Rm. Or Det. No(s):

Contractor Remarks:

Ardex Feather Finish Cementitous Topping
CPT-1 Mohawk, Data Tide, Aqua Rhythm GT455, Freshwater 558
WOM: Mohawk Tuff Stuff II, Step in Style II, Cobalt #955
Mohawk Enpress Pressure Sensitive Adhesive

Contractor Submittal Review Stamp

THE ATTACHED MATERIAL HAS BEEN REVIEWED BY THE UNDERSIGNED AND IS BELIEVED TO COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE UNDERSIGNED UNDERSTANDS VERIFICATION OF FIELD DIMENSIONS, AND COORDINATION WITH OTHER TRADES, REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.

DATE: 03/19/2025 BY (SIGN): Piazza Inc.

Consultant use below this line:

Carpet and WOM approved
Install Carpet in Brick Ashlar pattern

R&R- Underlayment requires more information
-Specification calls for a base of Ardex MC Rapid. Provide information on a proposed primer and show compatibility with the Feather finish

Architect Submittal Review Stamp

- ☐ NO EXCEPTIONS
- ☐ MAKE CORRECTIONS NOTED
- ☐ REJECTED
- ☑ REVISE AND RESUBMIT Underlayment
- ☐ EXAMINED
- ☐ SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS & SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED & CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES & THE SATISFACTORY PERFORMANCE OF HIS WORK

KAEYER, GARMENT + DAVIDSON ARCHITECTS, P.C.

DATE 03.26.25 BY SDD

ARDEX FEATHER FINISH®

Self-Drying, Cement-Based Finish Underlayment

Provides a smooth surface over a variety of substrates prior to the installation of today's demanding floor coverings, including sheet vinyl and VCT

Install floor coverings in as little as 15 minutes

Superior coverage – up to 300 sq. ft. per bag*

Mold and mildew resistant

Priming not required for most applications

Exceptional bond strength

Suitable for castor wheels (EN 12 529)

Easy to mix with water only; applies to a true featheredge

Interior use only

ARDEX Americas
400 Ardex Park Drive
Aliquippa, PA 15001 USA
888-512-7339
www.ardexamericas.com

ARDEX FEATHER FINISH®

Self-Drying, Cement-Based Finish Underlayment

Suitable Substrates

- Concrete (structurally sound)
- Absorbent terrazzo on concrete†
- Metal (Interior only and non-aluminum) †, †††
- Plywood subfloors (untreated)
- Solid hardwood †, †††
- Gypsum ††
- Properly installed ARDEX moisture control systems on concrete:
  - ARDEX MC™ RAPID
  - ARDEX VB 100
  - ARDEX VR 98
- Other approved, non-porous materials on concrete:†
  - Non-porous (non-absorbent) cementitious terrazzo
  - Ceramic, quarry or porcelain tiles
  - Epoxy Coatings
  - Epoxy terrazzo
  - Non-Water-Soluble Adhesive Residue on Concrete
  - Concrete treated with certain curing compounds (test area only; for full instructions, see ardexamericas.com/services/properprep)

†Must be sound, solid and well-bonded to underlying, structurally sound substrates.

Please note that a skim coat of a cementitious material applied over a non-porous surface may not create a porous bonding surface for the finish flooring and/or may not protect the finish flooring from migration of existing adhesive. Consult the flooring manufacturer for confirmation of any minimum thickness requirements for cementitious underlayments, as well as for any additional considerations, when installing over potentially non-porous surfaces.

††Please be advised that gypsum is inherently weak. This product will provide a solid bonding surface for new flooring, but it cannot correct the weakness of an underlying gypsum surface.

†††It is the responsibility of the installation contractor to ensure the substrate is rigid, well supported, properly anchored and free of undue flex and vibration.

Suitable Applications

- Areas to receive a suitable floor covering material, such as carpet, vinyl, ceramic, etc. Do not use as a wear surface. If a permanent wear surface is needed, use ARDEX SD-M
- All grade levels
- Dry areas only
- Interior applications only
- May be used as an embossing filler over residential sheet vinyl (no cushioned-backed flooring thicker than 0.080" or perimeter-bonded flooring) when mixed with ARDEX P 82; see instructions below. Note: When dried, the surface of the filled vinyl is considered a non-porous substrate, and the adhesive should be selected accordingly.

Job Conditions

During installation and cure, substrate and ambient temperatures must be a minimum of 50° F / 10° C.

Step 1: Moisture Evaluation and Testing

This product is intended for interior, dry spaces. Hydrostatic pressure, plumbing leaks, flood factors and other sources of water infiltration must be identified and corrected prior to installation. This product is not a vapor barrier and will allow free passage of moisture vapor.

Test concrete in accordance with ASTM F2170. For high-moisture floor coverings and adhesives, this product can be installed over concrete with relative humidity (RH) levels up to 99% provided: Each on-ground slab is built on a vapor retarder, which remains effective and intact, in conformance with ASTM E1745.

All other cases: Moisture control is required if the RH exceeds the most stringent of the following: 1) the limitations imposed by the flooring manufacturer; 2) the limitations imposed by the adhesive manufacturer.

Priming course if moisture control is required: ARDEX MC RAPID, ARDEX VR 98 or ARDEX VB 100. If moisture control is not required, See section entitled "Priming Method Selection" Below.

Moisture Control System Selection

ARDEX MC RAPID or ARDEX VB 100: RH levels up to 100% on all grade levels.

ARDEX VR 98:

RH levels are 98% or below (85% for radiant-heated slabs)

The slab is either above-grade, or, the slab is built on a vapor retarder, which remains effective and intact, in conformance with ASTM E1745

If moisture control is not required, select applications require priming

Priming Method Selection (select applications)

If a moisture control course will not be applied, priming is needed only for select applications as follows:

- ARDEX P 82 ™ Ultra Prime
- ARDEX P 4™ Pre-Mixed, Rapid-Drying, Multipurpose Primer
- ARDEX P 51™ Primer

Substrate (Dry areas only Interior applications only; All grade levels	**Priming Course**
Gypsum; Extremely absorbent concrete	ARDEX P 51 Double prime or ARDEX P 4
Metal (Interior only and non-aluminum)	ARDEX P 82; anti-corrosive epoxy coating required for ferrous metals
Epoxy Coatings	ARDEX P 82 or ARDEX P 4

Step 2: Substrate Preparation (Proper Prep™)

For full details on Proper Prep, reference the following articles at ardexamericas.com/services/properprep:

- Article 1.1: Preparing Concrete for ARDEX or HENRY Underlayments
- Article 1: Preparing Concrete for Bonded ARDEX or HENRY Applications
- Article 2: Preparing Wood for Bonded ARDEX Applications
- Article 3: Preparing Metal for Bonded ARDEX Applications
- Proper Prep Brochure

If necessary, mechanically clean the substrate by shot blasting or similar means. Do not use acid etching, adhesive removers, solvents or sweeping compounds, as these are bond breakers. Sanding is not an effective method to remove contaminants from concrete.

Substrate must be dry and alkali free. All substrates must be sound, solid and thoroughly clean of all bond-breaking contaminants, including but not limited to: overwatered or otherwise loose or weak material; dirt, dust, wax, grease, paints and oils; unapproved curing compounds and sealers; unsuitable adhesive residues.

Minimum Preparation

Substrate must be clean; additional prep may be needed, as follows:

Substrate	Minimum Preparation
Non-Water-Soluble Adhesive Residue on Concrete	Non-water-soluble adhesive residue must be wet scraped to thin, well-bonded residue (rfci.com).
Substrate to receive ARDEX VR 98 / ARDEX VB 100 / ARDEX P 51	Mechanically remove all adhesive residue, sealers, curing compounds, tiles, mortars and epoxy coatings down to clean, sound, solid concrete / terrazzo Substrate must be clean and absorbent
Concrete to receive ARDEX MC RAPID	Mechanically remove all adhesive residue, sealers, curing compounds, tiles, mortars and epoxy coatings down to clean, sound, solid concrete / terrazzo Concrete and terrazzo substrates must be clean and prepared to a minimum CSP 3 / maximum CSP 5 (icri.org)

Following preparation, thoroughly vacuum to remove all excess dirt and debris.

Handle and dispose of asbestos and other hazardous materials in accordance with prevailing regulations, which supersede the recommendations in this document.

Step 3: Treating Joints and Cracks

All moving joints, including expansion joints and isolation joints, as well as all moving cracks, must be honored up through the entire flooring system, including the finishing course. Under no circumstances should this product, the moisture control system, the selected primer or any other component of the flooring system be installed over these.

Dormant control joints and Dormant cracks may be pre-filled; however, this filling is not intended to act as a repair method that will eliminate the possibility of telegraphing. Non-structural materials are unable to restrain movement within a concrete slab. Cracks will telegraph in any area that exhibits movement, such as an active crack, an expansion or isolation joint, or an area where dissimilar substrates meet. We know of no method to prevent this telegraphing.

If an ARDEX moisture control system will be installed (see "Moisture Testing" section above): All dormant joints and dormant cracks greater than a hairline (1/32"/ 0.8 mm) that will not be honored must be pre-filled with ARDEX ARDIFIX™ Low Viscosity Rigid Polyurethane Crack and Joint Repair and sand broadcasted to refusal in strict accordance with the technical data sheet.

Step 4: Install Appropriate Moisture Control or Priming Course if / as needed

Products may need longer drying times with low surface temperatures and/or high ambient humidity. Do not proceed with subsequent steps before product has dried thoroughly.

ARDEX MC RAPID / ARDEX VB 100 / ARDEX VR 98 Installation *(Priming course if moisture control is required)*

If moisture control is required, install the ARDEX moisture control system in accordance with the appropriate technical data sheet (www.ardexamericas.com/products). **See section entitled "Moisture Evaluation and Testing" above.**

Priming Course *(If moisture control is not required)*

If moisture control is not required, select applications require priming (See section entitled "Priming Method Selection" above).

Gypsum / Extremely absorbent concrete: ARDEX P 51 "Double prime"

Make an initial application of primer diluted with 3 parts water by volume. Let the initial application dry thoroughly (1 - 3 hours), and then install a second application of primer mixed 1:1 with water as detailed directly above.

Metal (Interior only and non-aluminum) / Epoxy Coatings: ARDEX P 82

To prevent rust from recurring, ferrous metals must first be coated with an anti-corrosive epoxy coating. The coating must be installed and allowed to dry thoroughly in accordance with the manufacturer's written recommendations.

Follow the mixing instructions on the container, and apply with a short-nap or sponge paint roller, leaving a thin coat of primer. Do not leave any bare spots. Back roll with a dry roller to remove excess primer. ARDEX P 82 should be applied within 1 hour of mixing. Allow to dry to a thin, slightly tacky film (min. 3 hours, max. 24 hours).

Metal (Interior only and non-aluminum): ARDEX EP 2000

ARDEX EP 2000 can also be used as a priming option over interior metal substrates. Please contact the ARDEX Technical Service Department for a full recommendation.

Epoxy Coatings: ARDEX P 4

Apply a thin, even layer to the substrate using a short-nap roller, sponge paint roller or paintbrush. Allow the primer to dry to a thin, opaque, white film (min. 30 minutes; 70°F / 21°C). Once dry, there is no time limit before the subsequent installation may proceed. However, please note that the subsequent installation should proceed as soon as possible to avoid surface contamination or damage to the primed surface.

Step 5: Mixing and Application

Recommended Tools

Mixing Paddle; Mixing Container; 1/2" (12 mm) heavy-duty drill (min. 650 rpm); appropriate measuring bucket; Steel trowel; margin trowel; steel trowel; razor scraper

Application Data

Water Ratio:	2 1/2 quarts (2.4 L) clean water Per bag 2 parts powder: 1 part clean water by volume (small batches)
Approximate Pot life:	15 - 20 minutes (70°F / 21°C)
Thickness of Application:	Small, well-defined areas (Standard absorbent (porous) Substrates Only): Unlimited
	All other cases: 1/2" (12 mm)

Manual

Pour the water in the mixing container first, and then add powder while mixing with the mixing paddle and a 1/2" (12 mm) heavy-duty drill (min. 650 rpm). Mix thoroughly for approximately 2 to 3 minutes to obtain a lump-free mix. Do not overwater! Additional water will weaken the compound and lower its strength.

Small batches may be mixed by hand. Use a margin trowel, and mix vigorously. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency.

As this product is installed in thin applications, the profile of the substrate can affect the flatness and smoothness of the product. The thickness of the application should be calculated based on the surface profile of the substrate and the specified tolerances of the subsequently installed finish surface.

After mixing, apply the product to the substrate with the flat side of a steel trowel to obtain a solid mechanical bond before applying the desired thickness. Apply sufficient pressure to fill all defects.

Over ARDEX VR 98 and ARDEX VB 100, special application procedures are required. Please refer to the appropriate technical data sheet or consult the ARDEX Technical Service Department for a full recommendation.

Jobsite conditions and temperature may affect pot life. If the material begins to harden within published pot life, retemper with a drill. **Do not add more water.**

Embossing Filler

Existing felt-backed embossed residential sheet vinyl must be clean and free of any waxes or other dressings, solidly bonded and installed over a suitable substrate. The sheet vinyl must not show any signs of moisture, mold, mildew or alkaline salts.

Mix one part of ARDEX P 82 Part A with one part of ARDEX P 82 Part B by volume and blend to a uniform consistency. Add two parts powder by volume and mix as above.

Apply with the flat side of a trowel in the thinnest possible layer to fill in the existing pattern. If additional filling or smoothing is required after the pattern is filled, mix and install an additional coat as detailed in the "Manual" section above.

The embossing filler blend will typically require 90 minutes of drying time prior to the installation of the new residential sheet vinyl. The surface is ready when a twist of a shoe does not affect the bond of the embossing filler.

Step 6: Drying Time and Installation of Flooring

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying. Forced drying can dry the surface of the product prematurely and is not recommended.

Wood flooring and high-performance adhesives (epoxies or urethanes)	16 hours
All other cases	When hardened (Typically 15 - 20 minutes)

Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products. Not sold by ARDEX through home improvement centers. For information on ARDEX Academy trainings, visit: www.ardexamericas.com.

Never mix with cement or additives outside of our written recommendations. In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas including the finish flooring. As floor coverings vary, always contact and rely upon the floor covering manufacturer for specific directives, such as maximum allowable moisture content, adhesive selection and intended end use of the product. If the installation is not proceeding as expected, contact the ARDEX Technical Service Department before proceeding further.

Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website.

Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at: www.ardexamericas.com.

Technical Data According to Manufacturer Quality Standards

Physical properties are typical values and not specifications. All data based on partial, in-lab mix. Mixing and Testing completed at 70°F / 21°C.

Coverage:	Per bag At 1/4" (6 mm): 16.7 sq. ft. (1.5 m^2) Per bag At 1/8" (3 mm): 33.3 sq. ft. (3.09 m^2) Per bag At Skim Coat: 100 - 300 sq. ft. (9.2-27.8 m^2) Embossing Filler: Approximate 50 sq. ft. Dependent on surface profile, density and porosity.
Drying Time:	See section entitled "Drying Time and Installation of Flooring" above.
Packaging:	10 lb. (4.5 kg) bag
Storage:	Store in a cool, dry area. Do not leave units exposed to sun.
Shelf Life:	9 months, if unopened and properly stored
Warranty:	ARDEX L.P. Standard Limited Warranty applies (10-Year). Also eligible for ARDEX SystemOne™ Warranty When used as a system. For full warranty details: ardexamericas.com/services/warranties.

Made in the USA.

 Content updated 2024-02-22. Supersedes all previous versions. Latest version available at:

www.ardexamericas.com.

Visit www.youtube.com/ARDEX101 to watch ARDEX product demonstration videos. For recommended installation tools, visit DTA USA at www.dtausagroup.com. For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App.

Available on the iPhone App Store | Google play | YouTube

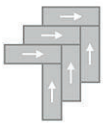
ARDEX Americas
400 Ardex Park Drive
Aliquippa, PA 15001 USA
888-512-7339
www.ardexamericas.com

Aqua Rhythm

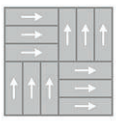
Overview

Feature	Description
Collection	Data Tide
Style	Aqua Rhythm (GT455)
Product Type	Carpet Tile
Size	12" X 36"
Construction	Tufted
Surface Appearance	Textured Patterned Tip Shear
Fiber	Duracolor® Tricor Premium Nylon
Dye Method	Solution Dyed
Stain Release Technology	Permanent, Built into Fiber
Soil Release Technology	EcoSentry Soil Protection
Backing	Ecoflex One
Pile Weight	22.00 oz/yd2 (746 g/m2)
Gauge	1/12 (47.00 rows per 10 cm)
Stitches per Inch	11.9 (46.85 per 10cm)
Total Thickness	0.424" (10.77 mm)
Density	6439
Installation	Glue Down, FlexLok
Installation Method	Herringbone, Basket Weave, Monolithic Stepping, Half Lap, Brick Ashlar
Recommended Adhesive	Enpress, M700 Plus, FlexLok+ Tabs, Total Bond

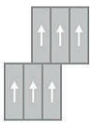
Recommended Installation Methods



Herringbone



Basket Weave



Monolithic Stepping

Half Lap

Brick Ashlar

Mohawk Group

Colorways

CPT-1

Wetland

Color code: 549
Style number: GT455

Freshwater

Color code: 558
Style number: GT455

Blue Carbon

Color code: 575
Style number: GT455

Saltmarsh

Color code: 748
Style number: GT455

Brackish

Color code: 759
Style number: GT455

Delta

Color code: 859
Style number: GT455

Colorways

Coastline

Color code: 947
Style number: GT455

Sediment

Color code: 979
Style number: GT455

Testing

Feature	Description
TARR Rating	Heavy
GSA Stain Release	Pass
Flammability	(ASTM E648) Class 1 - Glue Down
Static Propensity	(AATC 134) Under 3.5 KV
Smoke Density	(ASTM E662) Less than 450

Sustainability

Feature	Description
Embodied Carbon	5.44 kg CO2e/sq m2
Carbon Handprint	-5.71 kg CO2e/sq m2
Beyond Carbon Neutral	-0.27
Total Recycled Content	74%
EPD	EcoFlex ONE EPD
HPD	HPD 2.1 EcoFlex One Gold - 1000 ppm
Material Health	Declare Red List Free
NSF 140	EcoFlex One - NSF 140 Gold
LEED	Calculate LEED on Ecomedes
Indoor Air Quality	GLP 1171
The Waterways Project	Eligible
Mindful Materials	Participates in Mindful Materials Library
MindClick Rating	Achiever
Country Of Origin	USA

Mohawk Group

Packaging

Feature	Description
Square Yards Per Carton	4.67
Cartons Per Pallet	44
Weight Per Carton	26.88

Warranties

Lifetime Limited Carpet Tile Warranty, Lifetime Limited Duracolor Stain Warranty, Lifetime Static

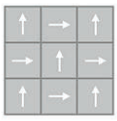
VT-4B Shaww 24x24 LVT 0993V Joy Squared Color: Park

First Step II

Overview

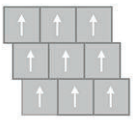
Feature	Description
Collection	Tuff Stuff II
Style	First Step II (GT315)
Product Type	Carpet Tile
Size	24" X 24"
Construction	Walk-Off Tile
Surface Appearance	Performance Loop Pile
Stain Release Technology	Permanent, Built into Fiber
Soil Release Technology	EcoSentry Soil Protection
Backing	EcoFlex NXT
Pile Weight	38.00 oz/yd2 (1288 g/m2)
Gauge	0
Stitches per Inch	8.5 (33.46 per 10cm)
Density	6739
Installation	Glue Down
Installation Method	Quarter Turn, Monolithic, Brick Ashlar, Vertical Ashlar, Multi-Directional
Recommended Adhesive	Enpress

Recommended Installation Methods

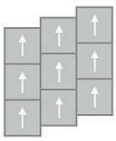


Quarter Turn

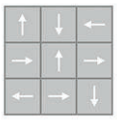
Monolithic



Brick Ashlar



Vertical Ashlar



Multi-Directional

Mohawk Group

Colorways

CPT-2

Walnut

Color code: 859
Style number: GT315

Cobalt

Color code: 955
Style number: GT315

Iron Ore

Color code: 983
Style number: GT315

Obsidian

Color code: 989
Style number: GT315

Testing

Feature	Description
Traffic Recommendation	Severe
GSA Stain Release	Pass
Flammability	(ASTM E648) Class 1 - Glue Down
Static Propensity	(AATC 134) Under 3.5 KV
Smoke Density	(ASTM E662) Less than 450

Sustainability

Feature	Description
Embodied Carbon	15.1 kg CO2e/sq m2
Carbon Handprint	-15.855 kg CO2e/sq m2
Beyond Carbon Neutral	-0.755
Pre-Consumer Recycled Content	51%
EPD	EcoFlex NXT EPD
HPD	EcoFlex NXT HPD
Material Health	Declare Red List Free
NSF 140	EcoFlex NXT - NSF 140 Gold
LEED	Calculate LEED on Ecomedes
Indoor Air Quality	GLP 1098
Mindful Materials	Participates
MindClick Rating	Achiever
End of Life	ReCover
Country Of Origin	USA

Packaging

Feature	Description
Square Yards Per Carton	6.22
Cartons Per Pallet	20
Weight Per Carton	58.24

Mohawk Group

Technical Data Sheet

EnPress™ Pressure Sensitive Adhesive

DESCRIPTION

EnPress™ Pressure Sensitive Adhesive is specially designed to install Mohawk Group EcoFlex™ ICT, EcoFlex™ NXT and EcoFlex™ AIR carpet tiles. EnPress™ is non-flammable and has low odor and low VOC's which makes it ideal for use in schools, health care facilities, public buildings, and anywhere odor is a concern. EnPress™ is CRI Green Label Plus™ approved. This adhesive also meets or exceeds California SCQAMD Rule 1168 and contains dual antimicrobial protection.

FEATURES & BENEFITS

- Quick tack
- Aggressive bond
- Superior shear strength
- Low in odor and VOC's
- CRI Green Label Plus certified

USE

For the Mohawk Group EcoFlex™ ICT, EcoFlex™ NXT and EcoFlex™ AIR carpet tiles
Interior residential (rental apartments condominiums, homes)
Interior commercial (office buildings, hotel rooms, and hallways, restaurant dining areas) Interior institutional (hospitals, schools, universities, libraries, government buildings)

SUBFLOOR PREPARATION

All substrates must be structurally sound, dry, solid and stable. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth. Concrete floors must be fully cured and dry. Calcium Chloride Moisture Test (ASTM F1869) results must not exceed 5.0 lbs. In-Situ relative humidity reading (ASTM F2170) must not exceed 80% and pH must be between 5.0 and 9.0.

SUITABLE SUBSTRATES

Exterior-grade plywood, Group 1, CC type
Other approved wood underlayments (per manufacturer recommendations)
Concrete and properly prepared cement terrazzo
Cement-based self-leveling underlayments and patching compounds
Embossing levelers applied over existing, properly prepared and fully bonded ceramic tile and fully bonded vinyl composition tile (VCT) – one layer only
Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

Note: When installing EcoFlex ICT over old cutback or adhesive residue, use Mohawk Group OptiSeal as a barrier to help prevent plasticizer migration. Following instructions for use, apply the OptiSeal only after existing adhesive is mechanically scraped to a smooth minimal residue. Do not use over surfaces that have been treated with chemical adhesive removers.

Consult Mohawk's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SITE PREPARATION

Site conditions and floor preparation requirements must comply with those specified by the Mohawk Installation guidelines. The installation site must be acclimated with an HVAC in operation. The jobsite, substrate, carpet tiles and adhesive must be conditioned at a temperature of 65°F to 85°F (18°C to 29°C) and at an ambient humidity of 30% to 65% for at least 48 hours before and during the installation. When the installation is complete, the jobsite must be maintained at a normal service temperature and humidity. If these conditions are not attainable, contact Mohawk Technical Services.

APPLICATION

All Mohawk carpet tile – Apply the adhesive onto the floor with a 3/8" (10 mm) nap roller at a rate of 35 to 40 sq. yds. per 1 U.S. gal. (29,3 to 33,4 m2 per 3,79 L) or a 1/16" x 1/32" x 1/32" (1,6 x 0,8 x 0,8 mm) U-notch trowel at a rate of 25 to 30 sq. yds. per 1 U.S. gal.(21 to 25 m2 per 3.79 L).
Mohawk carpet tile cushion – Apply the adhesive with a 1/16" x 1/32" x 1/32" (1,6 x 0,8 x 0,8 m) square-notch trowel at a rate of 25 to 30 sq. yds. per 1 U.S. gal. (21 to 25 m2 per 3,79 L).
Keep the roller saturated and wet with adhesive throughout the installation in order to maintain a constant spread rate. The adhesive must be full-spread, not spread via grid method. Allow the adhesive to completely dry until transparent or does not transfer to a finger when touched. Drying time will vary with temperature, ambient humidity and air velocity; however, do not allow the adhesive to dry for more than 6 hours before installing the floor covering. Roll with a 75- or 100-lb. (34- or 45-kg) carpet roller upon completion. See floor-covering installation recommendations for further instructions.

CLEAN UP

Promptly clean any adhesive from the flooring material's surface with water while the adhesive is still fresh/wet.
Clean tools with water while the adhesive is still fresh/wet.
Use mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials. DO NOT APPLY SOLVENT DIRECTLY TO THE FLOORING MATERIAL.

SHELF LIFE

Two years when stored in original, unopened packaging at 73°F (23°C).

COVERAGE

Spread rate is 140-160sy per 4 gallons with a 3/8" nap roller or 100-120sy per 4 gallons with a 1/16" x 1/32" x 1/32" U-notch trowel.

PROTECT FROM FREEZING

Freeze/thaw stable up 5 cycles at 0°F (-18°C). Store at room temperature.
Note: Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

LIMITATIONS

Do not install over any substrates containing asbestos.
For interior installations only.
Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
Do not install when the relative humidity (RH) of the concrete slab exceeds 80% (ASTM F2170).
Use only when the substrate temperature is between 65°F and 85°F.
pH reading should be a maximum of 9.
Building owners should be advised of Mohawk Group flooring installation guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation.

MIXING

Ready to use; no mixing is necessary.

Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

PRODUCT PROPERTIES

Polymer type:	Vinyl acrylic
Percent solids:	55% to 65%
VOCs (Rule # 1168 of California's SCAQMD):	Less than 34 g/L
Trowelability:	Light
Consistency:	Creamy
Color:	Light Blue
Shelf life:	2 years when stored in original packaging at 73°F (23°C)
Storage conditions:	Protect from Freezing
Flash point (ASTM D56):	> 212°F (100°C)

NOTE: Protect from traffic 24 hours for light traffic, 72 hours for heavy traffic. Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

APPLICATION TABLE

Application Characteristics over Porous Substrates		
	Flash Time*	Working Time**
Smooth-backed vinyl carpet tile	0 (permanent bond) 30 minutes or until dry	15 minutes (permanent bond) 8 hours (pressure-sensitive)
Rough-backed vinyl products	(0pressure (permanent bond-sensitive)) 30 minutes or until dry (pressure-sensitive)	15 minutes (permanent bond) 8 hours (pressure-sensitive)

Application Characteristics over Nonporous Substrates		
	Flash Time*	Working Time**
Smooth-backed vinyl carpet tile	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)
Rough-backed vinyl products	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)

*Flash time: The amount of time recommended for the adhesive to remain exposed to the air following application before the installation of floor covering.
**Working time: The maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.
Note: Flash and working times vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

TYPICAL TROWELS AND APPROXIMATE COVERAGES

	Recommended Trowel	**Coverage**
	1/16" x 1/32" x 1/32" (1 x 1.5 x 1 mm) [redacted]	100-120sy/4 gallon pail (5.5 -6.6 m^2/L)
	3/8" nap roller	140-160sy per 4 gallon pail (7.7 – 8.8 m^2/L)

Shaw LoxWorks Adhesive

† Coverages shown are for estimating purposes only. Actual jobsite coverage may vary according by application method, substrate, substrate conditions and actual thickness applied.

Please feel free to contact the Technical Services Department at 800.833.6954 for further information.

Rev. 2/7/17