Mipolam® PVC Flooring								
	Physical Characteristics			*Recommended Subfloors/Adhesives*				
	Size	**Gauge**	**Indentation resistance in pounds per sq. in.**	**Consult Azrock Information Manual ¤ for complete and detailed information**				
				Concrete, suspended	**Concrete, on grade §**	**Concrete, below grade §**	**APA Plywood suspended**	**APA Sturd-i-floor³**
Mipolam® Homogeneous PVC Flooring								
200	49" wide	.080"	450	Azrock LVT and PVC Flooring Adhesive, Azrock Polyurethane Adhesive	Azrock Polyurethane Adhesive, Azrock LVT and PVC Flooring Adhesive	Azrock Polyurethane Adhesive	Azrock LVT and PVC Flooring Adhesive, Azrock Polyurethane Adhesive	Azrock LVT and PVC Flooring Adhesive, Azrock Polyurethane Adhesive
400	49" wide	.080"	450					
500 (Anti-Static)	49" wide	.080"	450					
Mipolam® Semi-Conductive/Conductive PVC Flooring								
410 ‡‡	24-1/8" x 24-1/8"	.080"	450	Azrock recommended conductive adhesive	Azrock recommended conductive adhesive	Azrock recommended conductive adhesive	Azrock recommended conductive adhesive	Azrock recommended conductive adhesive
620	60" x 24" - tile	.080"	450					

³ APA Sturd-i-floor constructed per APA Design/Construction Guide, Residential and Commercial, Form E30L revised.

§ Moisture test recommended

¤ All Azrock products should be maintained according to the recommended procedures outlined in the current Domco Installation & Maintenance Manual.

‡‡ Also available in 49" x 49' rolls

Mipolam®	**Mipolam®**					
U.S. & Canadian Government Specifications	***Typical Properties and Qualifications***	**Mipolam 200**	**Mipolam 400**	**Mipolam 410**	**Mipolam 500**	**Mipolam 620**
L-F-475 A(3), Type II, Grade A; Steiner Tunnel Test (ASTM E-84) (NFPA-255), with a flame spread rating of less than 75, ASTM E-648 (NFPA-253), and the requirements of F1303, Type II, Grade 1, Class B. For additional Mipolam Homogeneous PVC Flooring technical information call Azrock for technical assistance.	Construction	Non-layered homogeneous PVC----------				
	Nominal Thickness	0.080" (2 mm)	0.080" (2 mm)	0.080" (2 mm)	0.080" (2 mm)	0.080" (2 mm)
	Width/Length	49"/49' (1.25/15 m) rolls‡	49"/49' (1.25/15 m) rolls‡	49"/49' (1.25/15 m) rolls‡	49"/49' (1.25/15 m) rolls‡	60" x 25" tiles (150/63 cm)
	Pattern	Directional pattern, marbled throughout thickness	Multicolor pattern, distributed throughout thickness	Multicolor pattern, distributed throughout thickness	Non-directional design, polychrome in appearance, distributed throughout thickness	Non-directional design, through-mottled color, distributed throughout thickness
	Weight	3,300 g/m²	3,000 g/m²	3,000 g/m²	2,00 g/m²	3,000 g/m²
	Electrical Resistance	> 10* Ohms	> 10* Ohms	Ca. 10*** Ohms	Ca. 10**** Ohms	2.5 x 10*-10‡ Ohms
	Sound Absorption, GI	Ca. 4 cB	Ca. 4 dB	Ca. 4 dB	Ca. 4 dB	Ca. 4 dB
	Thermal Resistance	0.01 m²k/W	0.01 m²k/W	0.01 m²k/W	0.01 m²k/W	0.01 m²k/W
	Chemical Resistance	Resistant to most common acids, alkalis, salts, oils and fats----------				
	Taber Abrasion Test	</= 3 mil	</= 2 mil	</= 3 mil	</= 1.5 mil	</= 1.5 mil
	Recommended Load	1,100 psi	1,100 psi	1,100 psi	1,100 psi	1,100 psi
	Flame Spread Rating (ASTM E-84)	75 or less	75 or less	75 or less	75 or less	75 or less
	Smoke Test (ASTM E-662)	> 450	>450	>450	To Be Determined	To Be Determined
	Radiant Panel	NFPA-253 ASTM E-648: > 1.0 W/cm² NBS-IR-75-950	NFPA-253 ASTM E-648: > 1.0 W/cm² NBS-IR-75-950	NFPA-253 ASTM E-648: > 1.0 W/cm² NBS-IR-75-950	NFPA-253 ASTM E-648: > 1.0 W/cm² NBS-IR-75-950	NFPA-253 ASTM E-648: > 1.0 W/cm² NBS-IR-75-950
	Federal Requirements	Meets or exceeds Federal Requirement L-F-475A and SS-T-312B[1]----------				

‡ Rolls are stocked. Tiles are available by special order.

* To the power of 4

*** To the power of 7

**** To the power of 9

[1] SS-T-312B for performance criteria.

Mipolam®

Chemicals, Reagents, and Stains

Mipolam Homogeneous PVC Flooring	200 Series	220 Series 400 Series 410 Series	500 Series
Acetone	2	2	4
Alcoholic Iodine Solution	4	4	4
Alcoholic Disinfectant	1	1	1
Formic Acid	1	1	1
Formic Acid 10%	1	1	1
Ammonia	1	1	1
Ammonium Chloride	1	1	1
Gasoline	1	1	1
Iron-III-Chloride 20%	4	4	2
Acetic Acid	3	2	2
Acetic Acid 5%	2	2	1
Ethyl Acetate	2	2	1
Ethanol	1	1	1
Formaldehyde	2	2	2
Formaldehydic Disinfectant	1	1	1
Glycerin	1	1	1
Benzaldehyde	4	4	4
Boric Acid	1	1	1
Butylacetate	1	1	2
Chromic Acid 40%	4	4	4
Chromic Acid/Sulphuric Acid/Water	4	4	4
Citric Acid 10%	1	1	1
Diotylphthalate	1	1	1
Urea	1	1	1
Fuel Oil	1	1	1
Isopropanol	1	1	1
Isopropanolic Disinfectant	2	2	2
Potassium Chloride	1	1	1
Potassium Dichromate	2	1	1
Potassium Hydroxide Sol. 10%	1	1	1
Potassium Permanganate	4	4	4
Ballpen Paste	4	4	4
Cooper-II-Sulphate	1	1	1
Methylene Chloride	4	4	4
Lactic Acid 5%	1	1	1
Sodium Chloride	1	1	1
Sodium Hydroxide Sol.	1	1	1
Oxalic Acid	1	1	1
Phenol	3	3	3

Mipolam®

Chemical Resistance

Chemical	One Hour	Two Hours
ACIDS:		
Conc. Sulfuric acid	Slight browning	Strong browning
10% Sulfuric acid	No change	No change
Hydrochloric acid	No change	No change
10% Hydrochloric acid	No change	No change
Nitric acid	No change	No change
Hydrofluoric acid	No change	No change
10% Lactic acid	No change	No change
BASES:		
Conc. Sodium Hydroxide	No change	No change
10% Sodium Hydroxide	No change	No change
Conc. Ammonium Hydroxide	No change	No change
10% Ammonium Hydroxide	No change	No change
DYE-STUFFS:		
Eosine	No change	Yelllowish-orange stains[1]
Fuchsine	Slight pinkish stains	Very strong blue stains[1]
Methylene blue	Slight blue stains	Very strong blue stains[1]
Betadine	No change	Yelllowish-orange stains[1]

*Results recorded after removing and cleaning the chemicals spilled on flooring.

[1]Stain removed after thorough stripping and rebuffing.

Mipolam®

Light Reflectance Va

% 0-9	10-14
5034	

Phenolic Disinfectant	1	1	2
Phosphorus Pentoxide	1	1	1
Sagrotan	1	1	1
Nitric Acid	2	2	2
Nitric Acid 10%	2	1	1
Hydrochloric Acid	2	1	2
Hydrochloric Acid 10%	1	1	1
Sulphuric Acid	3	2	2
Sulphuric Acid 3%	1	1	1
Sulfurous Acid	3	2	1
Silver Nitrate	3	3	1
Turpentine Oil	1	1	1
Ink (Blue)	4	4	3
Toluene	3	2	2
Transformer Oil	2	2	2
Grape Juice (Dark)	1	1	1
Hydrogen Peroxide	2	2	1
Zinc Chloride	1	1	1

1=Resistant (unchanged surface)

2=Resistant (limited resistance if repeatedly in contact with larger quantities)

3=Resistant to a certain extent (changes remain but are acceptable with most colors)

4= Not Resistant (changes spoil the appearance of the flooring surface in the long run)

Tested materials were left on flooring surfaces for 24 hours and wiped clean with water.

lues

15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100
5032	4011 4013 5020 5022	2010 4023	5030	2017 2018 2020 2021 4003 4017 4019 4025 4103 4125 5008 5024 5026	2022 4007 4107	2001 2006 2009 5028	2008	4001 4027 4101 4127 5004 6203	2000 4000	1112 5101						