

# Quality Band **ACOVIC**<sup>®</sup>

Radiation Protective Clothes & Accessories



## Future Decoration Group Co., LTD.

FDG Health Care has a long history more than 12 years for radiation protection. We not only professional in radiation protection apron and curtain but also for all solution of radiation protection. Continuous research and develop innovation products align with International Standard.



### GLOBALIZE PHILOSOPHY

GOOD GOVERNANCE

GLOBAL STANDARDIZATION

CORPORATE SOCIAL RESPONSIBILITY

CREATE VALUE FOR CUSTOMER

DEVELOPING INNOVATIONS PRODUCT

**Leader of Performance for Weight and Rediation Protection is the passion for development all innovations. Acovic created value added on high standard products for all customer in the Worlds.**



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**ACOVIC provide 3 of core materials protection options 20 different style and more than 100 colors and pattern suitable for use in a variety of professional and budget range.**

## INNOMAX

**New Innovation of Lead Free to combine Light weight , High performance for radiation protection and comfort from bi-layer technic come to be your best choice of the year. Apparel as it is the world's lightest lead Free material.**

## INNOLIGHT

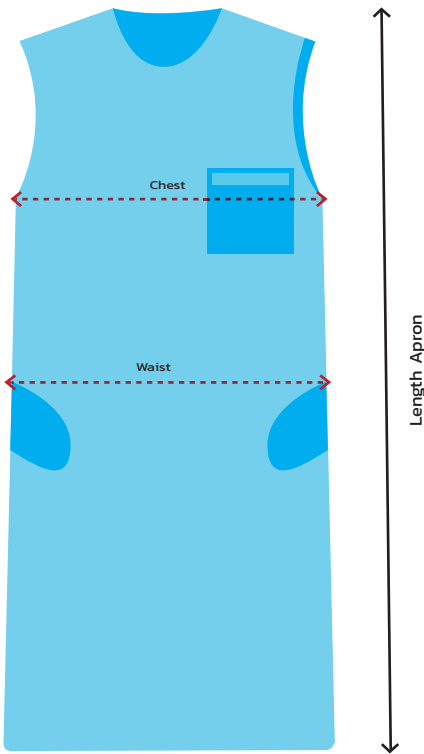
**Excellent performance in light weight and radiation protection exceed your imagination material composed lead and hi density Nano chemical technology, encapsulate in a vinyl resin.**

## CLASSIC

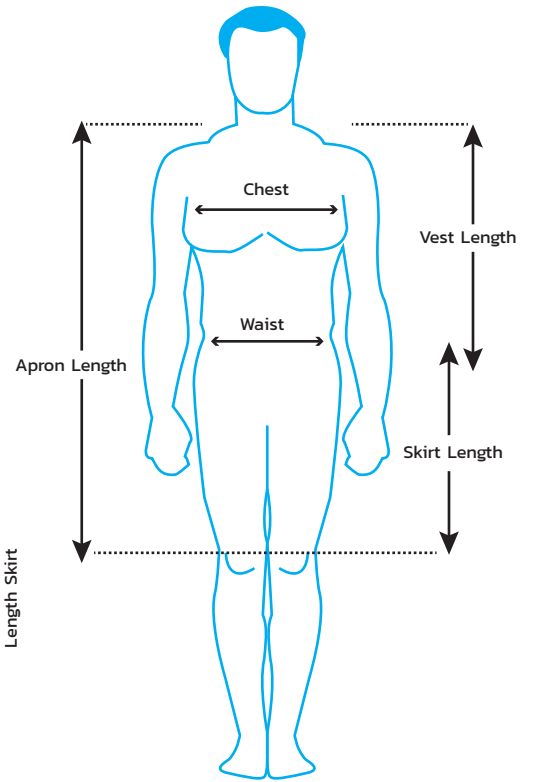
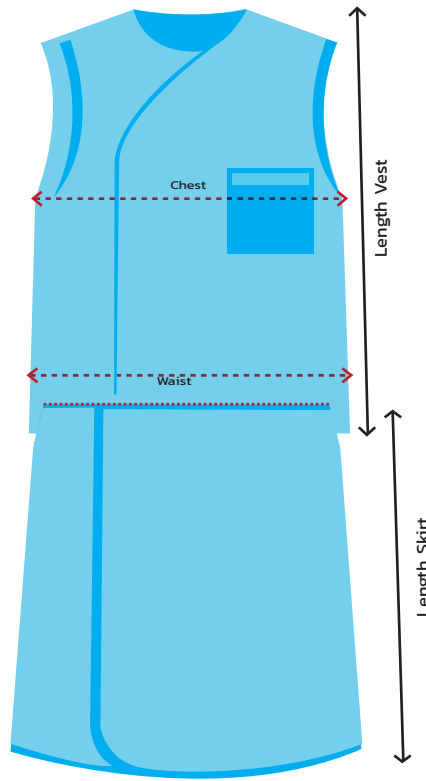
**It's is Light Classic lead material but high performance in radiation protection with advance bi layer technology and endcapsulate in a vinyl resin and plasticizer matrix , helps in lowering its weight .**



## Apron



## Vest & Skirt



Size	Apron		Vest		Skirt	
	Chest	Length	Chest	Length	Range Waist	Length
<b>S</b>	46 cm	87 cm	42.5 cm	57 cm	70-85 cm	55 cm
<b>M</b>	50 cm	95 cm	48.5 cm	60 cm	80-95 cm	55 cm
<b>L</b>	55 cm	100 cm	52 cm	66 cm	90-105 cm	55 cm
<b>XL</b>	60 cm	105 cm	57 cm	73 cm	98-113 cm	55 cm

**Remark : Difference  $\pm$  5% from table**

**ACOVIC** provide 3 of core materials protection options 20 different style and more than 100 colors and pattern suitable for use in a variety of professional and budget range.

## Color of the Year



00 Island blue



01 Ocean Blue



02 Blue cobalt



03 Grey Fossil



05 Magenta



139 red current



140 Orange



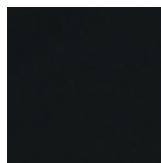
140 red rose



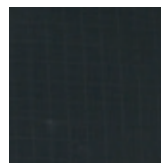
141 Blue Cerulean



142 diamond black



142.2 Midnight black



142.2 SQBlack



143 Green Seaweed



144 Navy blue



145 Dimond Blue



146 Blue dot

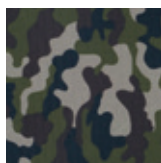


166 Be

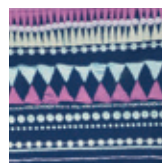
## Style



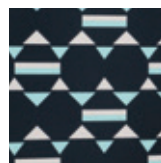
147 Galaxy



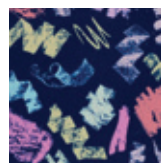
148 Green Sage



149 Native



150 the sun



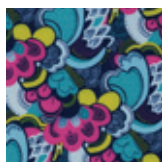
151 Artist



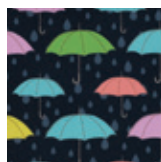
152 Egypt



153 noble



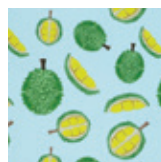
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155 under the rain



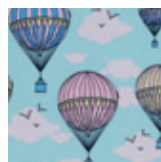
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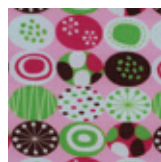
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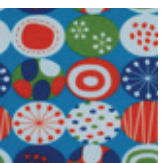
158 magnetic wave 2



159 balloon



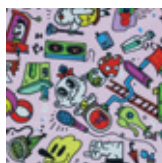
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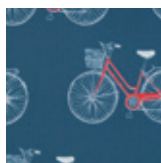
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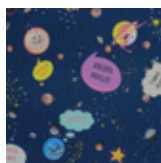
161 vocaton



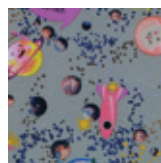
162 funny baby



163 wheel



164



165

**\*Please Check stock**

## Animals



167



168



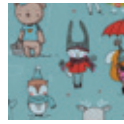
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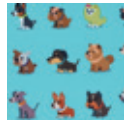
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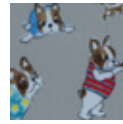
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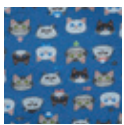
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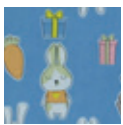
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188



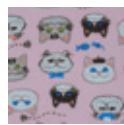
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190



191.2



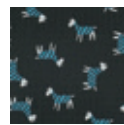
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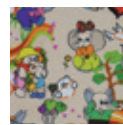
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197



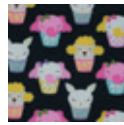
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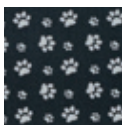
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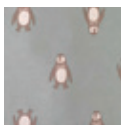
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243

## Fresh Flowers



208



209



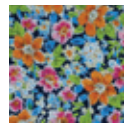
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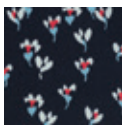
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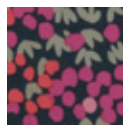
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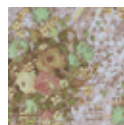
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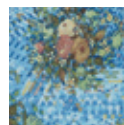
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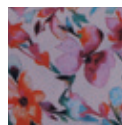
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222



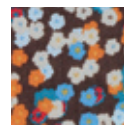
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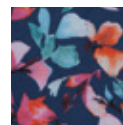
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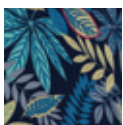
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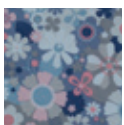
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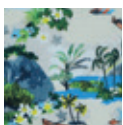
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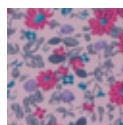
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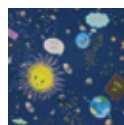
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**\*Please Check stock**



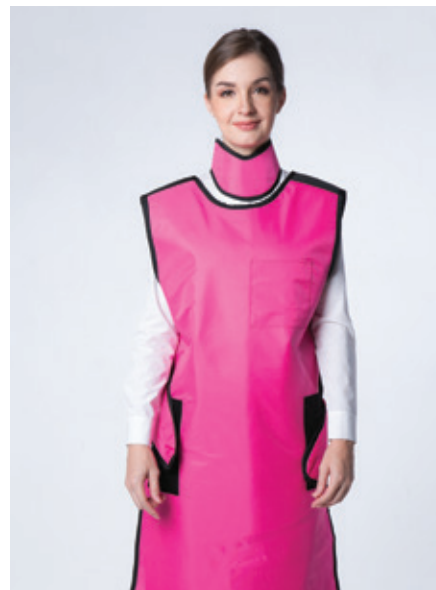
# Flexible Apron



## Flexible Apron

The protective apron drops off smoothly, even underneath your surgical scrubs. Two straps cross in the back and secure with hook-and-loop fasteners at the hips, to remove, just pull the tabs and entire garment-slides to the floor. The easy release, pad shoulders, and front pocket make this our most popular Apron for surgery. Store easily on our Apron Rack. Available on 0.5mm, 0.25mm protection with your choice of 100+ color and patterns.

0.5 mm	INNOMAX	INNOLIGHT	CLASSIC
NORMAL SIZE	A1003	A1002	A1001
EXTRA SIZE	A1006	A1005	A1004
0.25 mm	INNOMAX	INNOLIGHT	CLASSIC
NORMAL SIZE	A1009	A1008	A1007
EXTRA SIZE	A1012	A1011	A1010





## Dental Apron

**Dental Apron with collar Velcro closure around designed for complete protection while being x-rayed in a dentist's chair .Available on 0.5mm, 0.25mm protection with your choice of 100+ color and patterns.**

0.5 mm	INNOMAX	INNOLIGHT	CLASSIC
UNISEX	A1015	A1014	A1013
0.25 mm	INNOMAX	INNOLIGHT	CLASSIC
UNISEX	A1018	A1017	A1016

## Top Half Apron

**Top half Apron straps goes the extra mild to keep weight comfortably on your waist Available in 0.5mm, 0.25mm protection with your choice of 100+**

0.5 mm	INNOMAX	INNOLIGHT	CLASSIC
UNISEX	A1021	A1020	A1019
0.25 mm	INNOMAX	INNOLIGHT	CLASSIC
UNISEX	A1024	A1023	A1022





**Acovic's Vest&Skirt is completely perfect Mix&Match to offer the best x-ray protection with Light weight and Lead-Free material**

- **Designed for better weight balance.**
- **Partial overlap to increase protection.**
- **Belt in skirt for better support.**
- **Easy to work for long time in surgery function.**
- **Available in 0.5 mm, 1.0 mm for front protection.**  
**0.5 mm at overlap, 0.25 mm at back**  
**1.0 mm at overlap, 0.5 mm at back**

0.5 mm	INNOMAX	INNOLIGHT	CLASSIC
NORMAL SIZE	A1027	A1026	A1025
EXTRA SIZE	A1030	A1029	A1028





**ACOVIC' s Coat Overlap is full front and back protection with the addition of our wide belt when properly adjusted, removes the weight front the Fetures and transfers it to the hip Fetures 0.25mmPb Front (0.5 mmPb Overlap) and 0.25 mmPb Back. Full velcro closure sholder pad and breast.**



0.5 mm	INNOMAX	INNOLIGHT	CLASSIC
NORMAL SIZE	A1033	A1032	A1031
EXTRA SIZE	A1036	A1035	A1034

Getting on X-ray is comfortable and friendly even for children. Our children's range of apron feature colorful prints, lightweight materials, and ergonomic designs in various children size .Available on 0.5mm, 0.25mm protection with your choice of 100+ colors.



**Half Apron**



**Apron**



**Dental Apron**



**Thyroid Shield**



**Gonad**



**Cap**

Product Name	Size	Lead Equivalent	INNOMAX	INNOLIGHT	CLASSIC
APRON	UNISEX	0.5 mm	A1039	A1038	A1037
		0.25 mm	A1042	A1041	A1040
DENTAL APRON	UNISEX	0.5 mm	A1045	A1044	A1043
		0.25 mm	A1048	A1047	A1046
HALF APRON	UNISEX	0.5 mm	A1051	A1050	A1049
		0.25 mm	A1054	A1053	A1052
GONAD	UNISEX	0.5 mm	A1057	A1056	A1055
		0.25 mm	A1060	A1059	A1058
THYROID SHIELD	UNISEX	0.5 mm	A1063	A1062	A1061
		0.25 mm	A1066	A1065	A1064
CAP	UNISEX	0.5 mm	A1069	A1068	A1067
		0.25 mm	A1072	A1071	A1070



ACOVIC Protective Eyewear Provides the coverage you with the comfort and style you Use in Cathlab, Interventional Radiation and orthopedic surgery, Imaging profesinals rely on eyeweare's superior protection and feature.

## Model G

**A1077**

Model G contain 0.5 mm equivalent Lead Glass Protect your eyes in style with durability and all day comfort are most suitable for medium to large face. size : 20 cm x 12.5 cm



## Model A

**A1073**

Nylon frame make this eyewear durable and dynamic comfort features include rubber nose pads and a secure-fit nose brige accommodating the facial Structure of both Men & Women offer 0.5 mmPb. Weight : 54 g.



## Model B

**A1074**

The weight a large lense pocket for a wide viewing arae,all through prescription lense. It neoprene fome. Interior lining protects the eyes against liquid splashes and sweat, while the wrap around gogle frame offer a wide of protection offer 0.5 mmPb. Weight : 86 g.

Model C



## Model C

### A1075

The wrap around's Sturdy Frame and wide lense arae. Provide Maximum visibility and protection.  
Weight : 80 g. Lead Equivalent : 0.5-0.75mmPb.

Model D



## Model D

### A1076

Protection Radiation wrap around frames construction with high impact nylon. Rubberized , sofe-grip temple bars delivery secure fit while the wrap around lenses offers full protection around the eyes.  
Weight : 66 g. Lead Equivalent : 0.5 mmPb.

Model Fit over



## Fit Over-Universal

### A1078

Fits frames height wrap around radiation Protection Nylon frame design to be Over middle oval or round prescription eyewear frame shape offer 0.5 mmPb.  
Weight : 80 g. Lead Equivalent : 0.5 mmPb.



## Panoramic Shiield

### A1079

Protect your entire face, the acrylic, stationary, face-formed Shield has a wide 8" surface idea for splash protection this can not be sterided at high temperature so cleam by wiping with soft cloth and no cleaning, materail offer 0.1 mmPb.  
size : 50 cm x 20 cm  
Weight : 426 g. Lead Equivalent : 0.1 mmPb.

# Lead Gloves



## Lead Glove Model A

A1080

Vinyl hand covering protection and comfort with a soft urethane material for rugged durability slip on the leaded gloves, and your finger will find a breathable. Latex free, available as a pair or as left or right style only. Offers 0.5 mmPb.



## Lead Glove Model B

A1081

Full wrap around protection the non-slip material on the palm is soft enough to handle even the most sensitive. Offers 0.5 mmPb.



## Surgical Gloves

A1082

Surgical radiation protection gloves are wide x ray radiation protection properties. This gloves protect the hand from scattered and secondary x-ray radiation During various surgical procedures Lead Equivalent :  $0.045 \pm 10\%$  mmPb.





## Head Protective Cap

Protect your skull and brain with Lead Free and Light weight. Protective cap available on 2 protection levels the cap features a built in sweatband and vented top product available for 0.5 mm and 0.25 mm with your choice of 100++ colors.



## Breast Protection



ACOVIC's breast protection was specially designed for the protection of the mammary gland area of the patient during mammographic radiation procedures available for 0.5 mm and 0.25 mm with your choice of 100++ colors.  
Size: 18 cm x100cm

## Bottom Half Apron



Protection goes on easily and efficiently with the Patient Apron. This half apron design has a secure hook and loop closure that keep the garment in place without slipping. available for 0.5 mm and 0.25 mm with your choice of 100++ colors.  
Size: 47 cmx 45.5 cm

## Gonad Shield



Properly shielding the gonadal region is essential for patients of either gender. This Gonad Shield set contains three size of shield small(11x11 cm), medium (18x18cm), large(24x24cm) which are held in place on the body with a hook and loop belt. Offer 0.5 mm protection with your choice of 100++ colors.

Product Name	Size	Lead Equivalent	INNOMAX	INNOLIGHT	CLASSIC
Protective Cap Model A	UNISEX	0.5 mm	A1085	A1084	A1083
		0.25 mm	A1088	A1087	A1086
Protective Cap Model B	UNISEX	0.5 mm	A1091	A1090	A1089
		0.25 mm	A1094	A1093	A1092
Protective Cap Model C	UNISEX	0.5 mm	A1097	A1096	A1095
		0.25 mm	A1100	A1099	A1098
Breast Protection	UNISEX	0.5 mm	A1103	A1102	A1101
		0.25 mm	A1106	A1105	A1104
Bottom Half Apron	UNISEX	0.5 mm	A1109	A1108	A1107
		0.25 mm	A1111	A1112	A1110
Gonad Shield	NORMAL SIZE	0.5 mm	A1115	A1114	A1113
		0.25 mm	A1121	A1120	A1119
	EXTRA SIZE	0.5 mm	A1118	A1117	A1116
		0.25 mm	A1124	A1123	A1122

## Thyroid Shield



Thyroid Shield Minimize X-ray propose of thyroid gland and neck with three protective thyroid Shield, a big collars protect bigger area offer 0.5 mmPb and 0.25 mmPbwith your choice of 100+ colors.



Model A



Model B



Model C



### Leg Protection

Give your tibia some against radiation scatter with these durable Leg Protection. Secure them to your legs with the sturdy hook and loop fastener straps and place them where you need them. offer 0.5 mmPb and 0.25 mmPb with your choice of 100+ colors.



### Arm protection

Block radiation scatter to protective, which maximize protection for your arms. offer 0.5 mmPb and 0.25 mmPb with your choice of 100+ colors.

Product Name	Size	Lead Equivalent	INNOMAX	INNOLIGHT	CLASSIC
THYROID SHIELD MODEL A	UNISEX	0.5 mm	A1127	A1126	A1125
		0.25 mm	A1130	A1129	A1128
THYROID SHIELD MODEL B	UNISEX	0.5 mm	A1133	A1132	A1131
		0.25 mm	A1136	A1135	A1134
THYROID SHIELD MODEL C	UNISEX	0.5 mm	A1139	A1138	A1137
		0.25 mm	A1142	A1141	A1140
LEG PROTECTION	UNISEX	0.5 mm	A1145	A1144	A1143
		0.25 mm	A1148	A1147	A1146
ARM PROTECTION	UNISEX	0.5 mm	A1151	A1150	A1149
		0.25 mm	A1154	A1153	A1152

## Apron Rack



**Convenience 10 Arm Mobile Apron Rack**  
Code: A1155

Hold 10 Vest& Skirts apron heavy duty hanger that swivel on a sealed ball, new circular design with sleek look Storage: 10 Material: Stainless steel grad 304. SIZE: 140 X 104 X 50 cm



**Convenience 5 Arm Mobile Apron Rack**  
Code: A1156

Hold 5 Vest& Skirts apron heavy duty hanger that swivel on a sealed ball, new circular design with sleek look Storage: 5 Material: Stainless steel grad 304. SIZE: 140 X 55 X 50 cm



**Wall system hanger**  
Code: A1157

Five swiveling chrome bar offer you arrange of operation of 180 ° Storage capacity: 5 Material: Stainless steel grad 304. SIZE: 15 X 55 X 36 cm



**Special hanger**  
Code: A1158

Designed for higher weight loads of Radiation protection Clothes. Storage capacity: 1 Material: Stainless steel grad 304. Size: 40 cm

## Pass box

This facility is a kind of auxiliary equipment for the clean room and is mainly applied to the goods transmission between the clean and non-clean areas, preventing the outside dust particles from coming into the clean area due to air circulation. By the way, the possible pollution to clean room can be minimized, so the cleanliness of the clean room can be maintained.



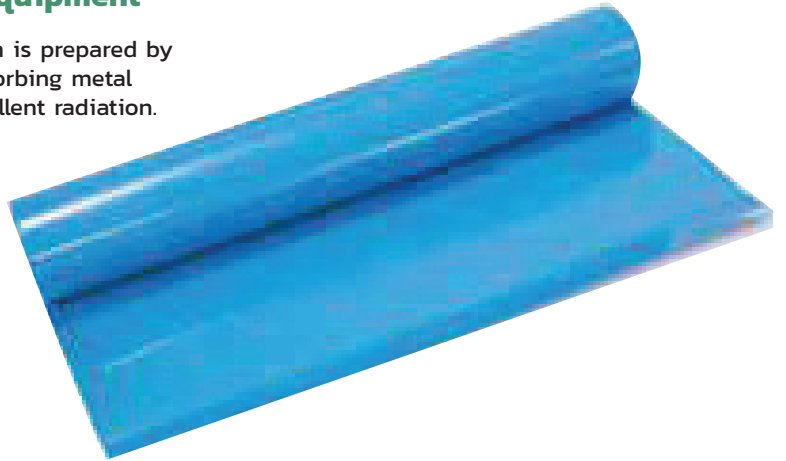
**Pass box A**  
Product Code: A1159  
SIZE : 65 cm x 65 cm x 45 cm



**Pass box B**  
Product Code: A1160

## Lead-free Material for Foods Inspection Equipment

ACOVIC's food-grade security inspection machine curtain is prepared by special mixing and calendaring process of radiation-absorbing metal powder and resin. The product is light, soft and has excellent radiation.



**Security Scanner X-ray Curtains  
Model A  
Code A1161**



**Safeline Food Scanner Xray Curtains  
Model B  
Code A1162**

### Product Features

- Food grade certification**  
 ACOVIC's Lead-free materials meets the requirements of ROSH and FDA food contact materials, and no harmful substances are dissolved in the aqueous or dairy solution.
- Super anti-wear and super oil resistant**  
 Water-proof and durable.
- Special surface coating**  
 Achieve surface high level of lippage, Easy to clean.
- Ultra low operating temperature**  
 ACOVIC's Lead-free materials can be used in a  $-10^{\circ}\text{C}$  environment and maintain good physical properties.
- Size & Color can be customized**  
 ACOVIC's Lead-free materials can be customized according to the requirements of the customer's drawings, and the dimensions are accurate and the radiation protective is strictly prevented. The product has a wide selection of color cards.

### Product Specifications

	120KV	120KV
Thickness	0.95mm $\pm$ 0.04mm	1.18mm $\pm$ 0.04mm
Lead equivalent	0.25 mmPb	0.5 mmPb

### Product application

Food/pharmaceutical, Can / bottle, Bulk / pipe, special customize...



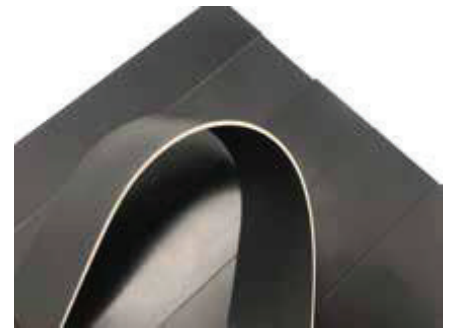
## Lead-free Material for Inspection Equipment Curtains

Shielding curtain is one of the heavy types shielding material, usually used in public security detection system, such as security inspection equipment.



## Radiation Protection Technology

Lead-free inspection curtains are made up of a new type of X-ray absorption polymer materials independently developed. The material interacts with the radiation is higher than that of lead, which can greatly improve the shielding efficiency of the protective curtain. It can replace traditional lead materials in the application of security inspection.



## Product Features

### •Soft and lightweight, not easily deformed

Customizable production of light, thin security screening curtains

### •Excellent abrasion resistant

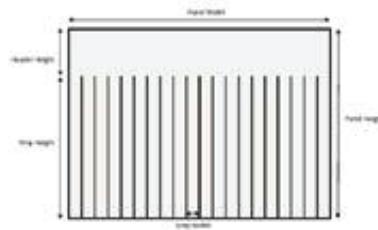
Aging resistant and dirty. Sustainable use

### •Good flexibility

A thin polymer matrix in the center increases the pull out strength

### •Lead-free, non-toxic

safe and environmentally friendly.



## Security Scanner X-ray Curtain

Code : A1163



## Product Specifications

Item	Parameter Value	Item	Parameter Value
Lead equivalent	0.35 mm/0.5mmPb	Temperature range	-40 c 70 C
Max.width up	>700mm	Tensile strength	12MPa
Matrix Material	123	Hardness	65+5(Shore A)
thickness	2.0mm/24mm	Gram	5.68/7.48kg/m2
shape	Can be customized	size	various sizes of security curtains with a width of less than 700 mm
color	black		

# Portable Shield

Porta shield is idea for patient protection, Can Adjustable during diagnostic procedures and features adjustable high, with sturdy leg and smooth gliding caster let you move the shield from room to room. Protect where it's need. Available in 0.5,1.0,1.5 mmPb Protection and cover in shown color.



**Porta Shield Model C**



**Porta Shield Model 9**



**Porta Shield Model T**



**Bedside Protective Curtain**

Lead Equivalent	Porta Shield Model C	Porta Shield Model 9	Porta Shield Model T	Bedside Protective Curtain
0.5 mmPb	A1164	A1170	A1167	A1173
1.0 mmPb	A1165	A1171	A1168	A1174
1.5 mmPb	A1166	A1172	A1169	A1175
Dimension	135x70 cm	135x70 cm	125x73 cm	



**Mobile Barrier Model A**



**Mobile Barrier Model B**



**Mobile Barrier Model C**



**Mobile Barrier Model D**

Product Name	Model A	Model B	Model C	Model D
Size of barrier	90 cm x 180 cm	90 cm x 190 cm	90 cm x 190 cm	120 cm x 120 cm
Size of Glass	-	20 cm x 20 cm	60 cm x 80 cm	-
Lead (mm)	0.6/1/1.5/2++	0.6/1.15/2++	0.6/1.15/2++	0.6/1.15/2++
Product Code 0.5 mm	A1176	A1179	A1182	A1189
Product Code 1.0 mm	A1177	A1180	A1183	A1190
Product Code 1.5 mm	A1178	A1181	A1184	A1191

## Reference Project

- Ramathibodi Hospital
- Ramathibodi Hospital Radio Isotope Room Research Building
- Rama 2 Hospital
- Samitivej Sukhumvit 49 Hospital, Cath LAB
- Samitivej Sukhumvit 49 Hospital
- Samitivej Thonburi Hospital Operating Room
- Rinsin Hospital Ramindra
- Siriraj Hospital
- Chulalongkorn Hospital
- Tha Sala Nakhon Si Thammarat Hospital
- Phayathai Hospital 1-2
- BDMS
- Neurology
- Thongphaphum Hospital
- Kalasin Hospital
- Children's Hospital
- Narong Hospital, Chaiyaphum
- Ban Bueng Hospital, Chonburi
- Mae Sot Hospital, Tak
- Phramongkutklao Hospital Orthopedic Building
- Trang Ruam Phaet Hospital
- Crown Prince Hospital Sa Kaeo Accident Building
- Kuchinarai Crown Prince Hospital
- Sanamchan Hospital, Nakhon Pathom
- Police Hospital
- Bangkok Hospital, Soi Soonvijai
- Thai Nakarin Hospital
- Bangkok Hospital, Nakhon Ratchasima
- Sikarin Hospital
- Samitivej Hospital Chonburi
- Bhumibol Hospital
- Roi Et Hospital
- Yala Hospital
- Chulalongkorn Hospital, Sirikit Building
- Sirikit Heart Center Hospital, Khon Kaen University
- Cancer Hospital, Chonburi
- Sawanpracharak Hospital
- Thonburi Hospital 1
- Bangpakok Hospital 3.2
- Mahachai Hospital 2
- Bangkok Prom Medical Hospital, Ratchaburi
- Wachira Hospital, Phuket
- Office of Atomic For peace
- National Cancer Institute
- Cancer Center, Lampang
- Mahawachiragorn Hospital Cancer Center, Pathum Thani
- Nuclear Institute, Nakhon Nayok
- Forensic building
- CMC Biotech (TOSHIBA)
- Faculty of Veterinary Medicine, Songkhla Nakarin University
- Wildlife Clinic, Chiang Mai
- NECTEC: National Electronics and Computer Technology
- Modernform Health & Care Co., Ltd

## Our Customer







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