

Axion<sup>®</sup>

SILVER series



The world's leader in  
quality effect pigment technology



# Axion<sup>®</sup> Silver series Product Info.

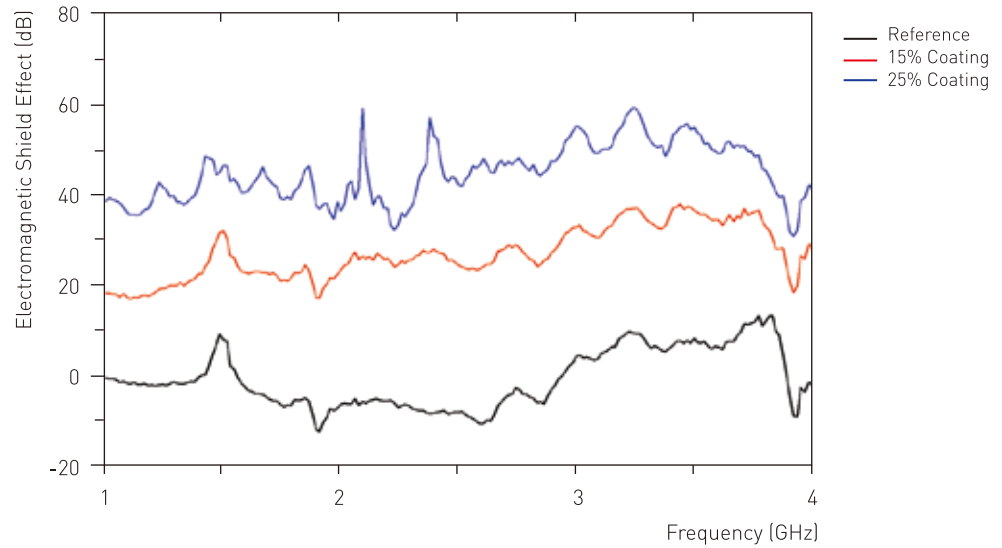
- Real metal pearlescent pigments coated with silver on calcium titanium borosilicate.
- Superior sparkling effect using large scale calcium titanium borosilicate substrate.
- High electromagnetic shield effect.
- High sterilization effect.
- Silver (Ag) coated on calcium titanium borosilicate.  
Very clear for heavy metals.  
No contain any organic compound.  
Conforms RoHs regulation.  
No contain the health and environmental hazard materials.

## Axion<sup>®</sup> Silver Pearlescent Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH (10% Sol.)	Composition		
		(D10-D90)	(D50)		Calcium Titanium Borosilicate	SnO <sub>2</sub>	Silver
AX-991B	Axion <sup>®</sup> Shimmering Nova Silver	15 - 90	38 - 44	7 - 11	○	○	○
AX-991P	Axion <sup>®</sup> Crystal Nova Silver	30 - 180	75 - 90	7 - 11	○	○	○
AX-995G	Axion <sup>®</sup> Super Nova Silver	30 - 250	95 - 115	7 - 11	○	○	○
AX-991H	Axion <sup>®</sup> Ultra Nova Silver	60 - 600	200 - 260	7 - 11	○	○	○

# Electromagnetic Shield Effect

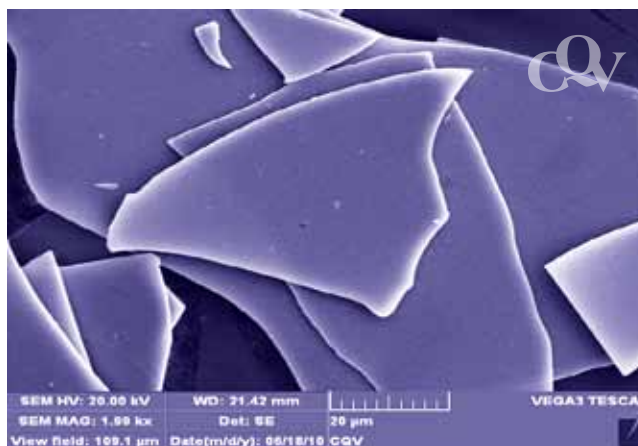
## High Frequency



## Low Frequency

Frequency	Reference (dB)	15% Coating (dB)
14 kHz	2.1	-0.9
100 kHz	0.5	-0.2
1 MHz	5	0
10 MHz	0.2	5.9
200 MHz	0.6	41.4
1 GHz	-3.5	21

# The Surface of Pigments



# Axion® Silver Pearlescent Pigments

Axion® Silver series products are coated with silver of superior metal sparkling effect on calcium titanium borosilicate.

This product displays specific metal sparkling effect by the effect of coated silver and differentiated from others pearlescent pigments based refractive index value between coated metal oxide and substrate.

This product has high electromagnetic shielded effect and high sterilized effect and specially can be used in electronic industry effectively.

By using this product, you can develop new concept product in variety of field.

## Special Features

- Silver coated on calcium titanium borosilicate
- High sparkling pearlescent pigments
- High electromagnetic shield effect
- High sterilization effect

## Applications

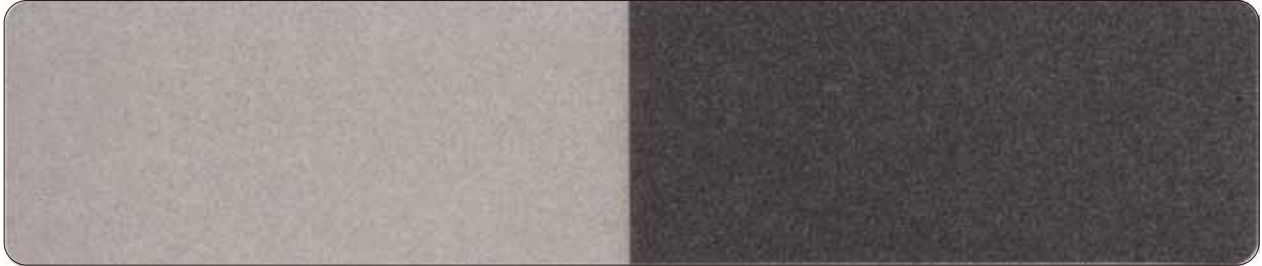
- Paint for plastic
- Injection molding
- Ink for appliances
- Plastics & synthetic marble
- Floorings



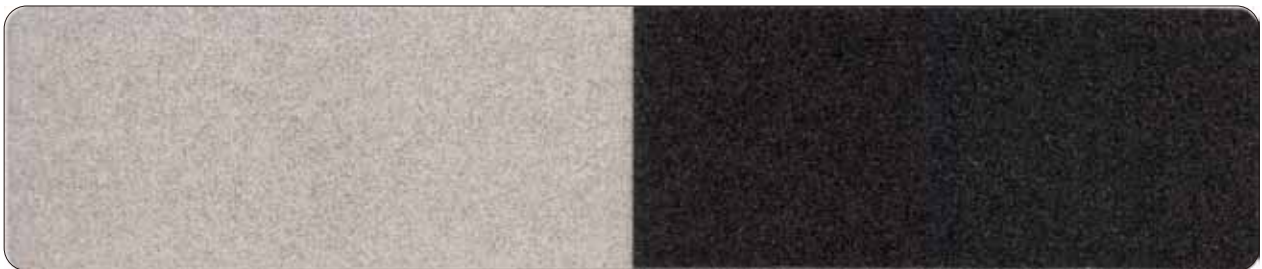
# Axion<sup>®</sup> Silver

## Pearlescent Pigments

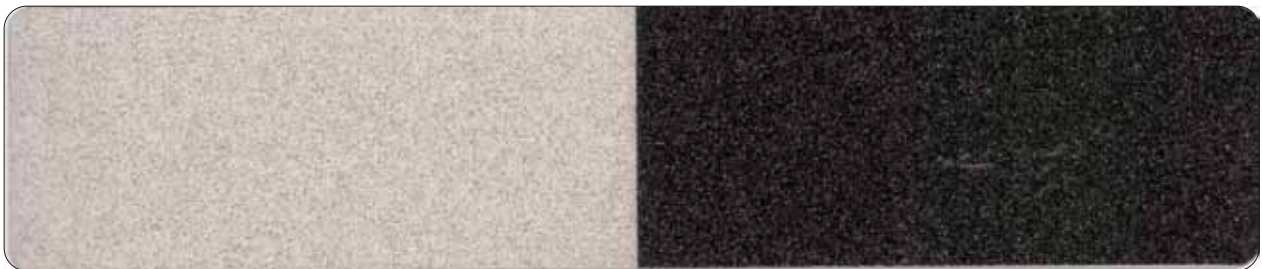
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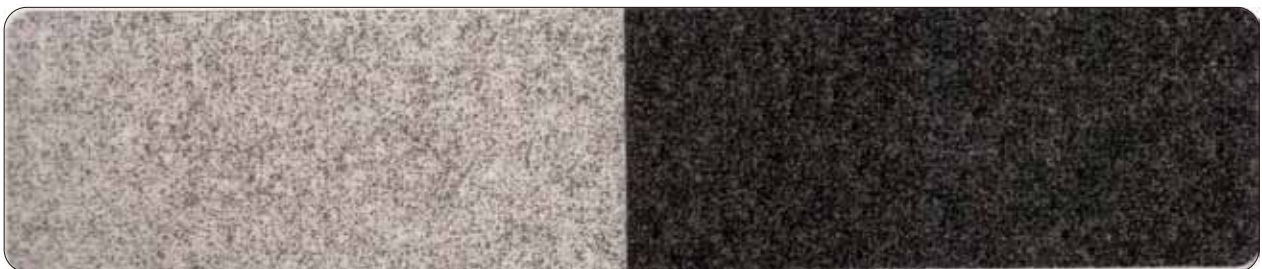
Axion<sup>®</sup>Shimmering Nova Silver **AX-991B** Size(μm) 15-90



Axion<sup>®</sup>Crystal Nova Silver **AX-991P** Size(μm) 30-180



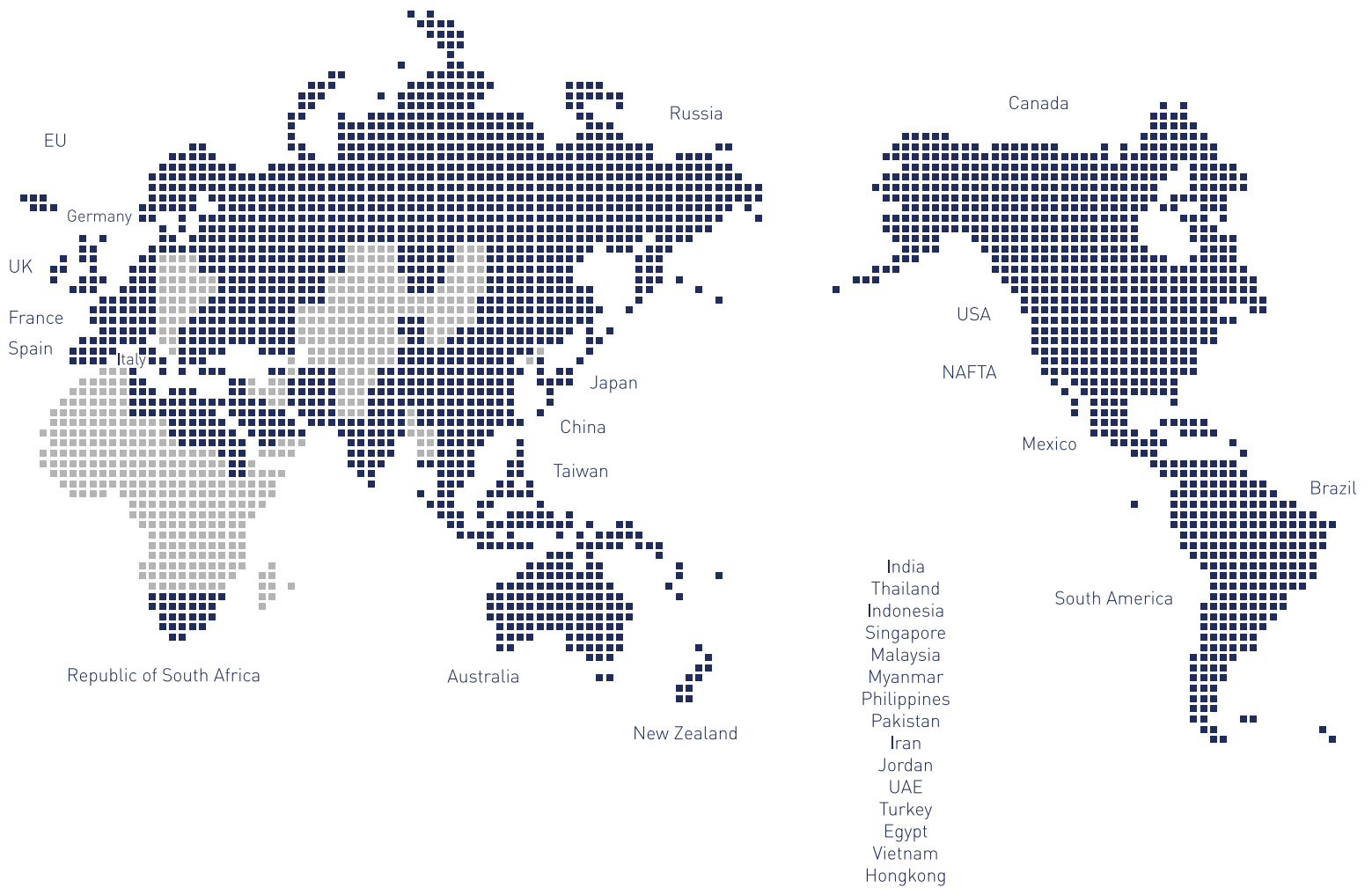
Axion<sup>®</sup>Super Nova Silver **AX-995G** Size(μm) 30-250



Axion<sup>®</sup>Ultra Nova Silver **AX-991H** Size(μm) 60-600

# CQV GLOBAL NETWORK

“Global Supplier of High Quality Effect Pigment Technologies.”



Creation of Quality Value

## 씨큐브 주식회사

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