

**Low Reflectance**  
0.5% or less (SCI)

**Excellent Scratch Resistance**

**Excellent Weatherability**

**Applications**  
**Laptop PC/Industry**

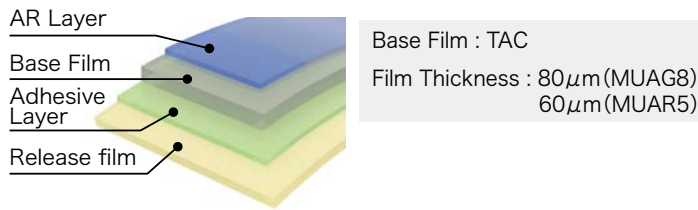
Various displays that require anti-reflection, such as laptop PC, industrial equipment, and amusement machine.

Anti-Glare Type  
**MUAG8**  
Clear Type  
**MUAR5**

## Anti-Reflection Films

Our Anti-Reflection Films Achieve Excellent Properties and Cost Performance by Wet Coating Process.  
Low Reflectance : 0.5% or less. Excellent Scratch Resistance. Excellent Weatherability Conforming to the DIN 75220 Standard

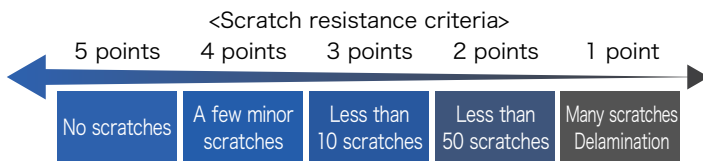
### Layer structure



### Excellent scratch resistance

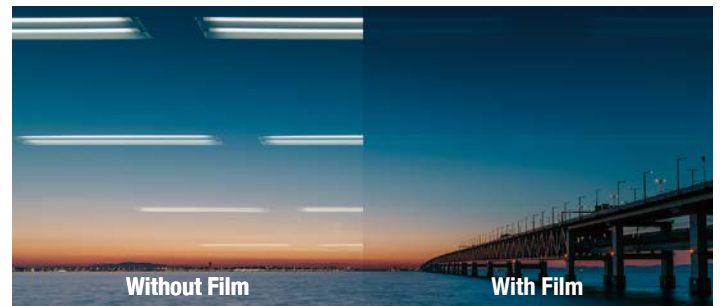
Scratch resistance test (250g/cm<sup>2</sup> Load with Steel Wool, 100 turns)

MUAG8	MUAR5
4 points A few minor scratches.	4 points A few minor scratches.



### Property details

Low reflectance : 0.5% or less



### Excellent weatherability

No appearance abnormality in DIN standards weatherability test DIN75220 (Z-in1)



### General properties

Item	Unit	Anti-Glare Type MUAG8	Clear Type MUAR5
Total light Transmittance	%	95.6	95.2
Haze	%	4.5	0.3
SCI(Y) Photopic Reflectance	%	0.5	0.5
Pencil Hardness (750g load)	—	3H	3H
Scratch Resistance Test*	—	No remarkable scratches	No remarkable scratches
Water Contact Angle	deg	112	110
Times to wipe off fingerprints	times	5-10	10-15
Weatherability (DIN75220 Z-in1)	—	No appearance abnormality	No appearance abnormality
Infrared Transmittance ( $\lambda=940$ nm)	%	>90	>90

\* 250g/cm<sup>2</sup> Load with Steel Wool, 100 turns

Please see our website for Notes before you use.

The above data are typical values and not guaranteed values.