

# ECOCERT & COSMOS Grade TiO<sub>2</sub>

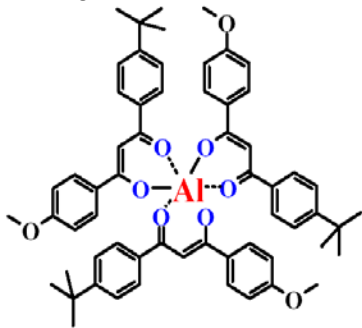
ECOCERT  
& COSMOS  
Grade TiO<sub>2</sub>



# ECOCERT & COSMOS, Non Nano, Alumina Free TiO<sub>2</sub>

Alumina Free means  
BMDBM compatible

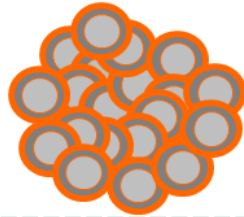
BMDBM forms a complex  
with Al<sub>3+</sub> salts from TiO<sub>2</sub>  
coatings



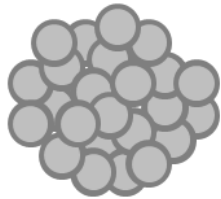
Aluminum oxide is one of  
the most common coating  
material for TiO<sub>2</sub>.

→ The amount of BMDBM  
decreases

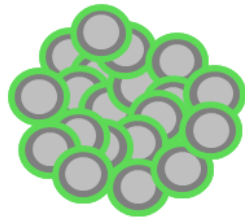
→ weakening of the UVA  
protection



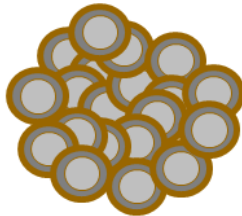
**T-80AS,**  
**The most hydrophobic coating**



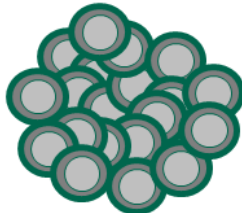
**T-80,**  
**Hydrophilic silica coating**  
**For water phase**



**T-80JJ or T-80SF**  
**The best hydrophobic**  
**ECOCERT coating**



**T-80LL,**  
**The best soft feel,**  
**For ECOCERT make up**



**T-80SA,**  
**The most cheaper**  
**For mass market ECOCERT sun care**



## % Table of T-80 series for SPF

Category	Labelled sun protection factor	Measured sun protection factor	% of T-80 series needed
Low protection	6	6 – 9.9	2.0
	10	10 – 14.9	3.5
Medium protection	15	15 – 19.9	5.5
	20	20 – 24.9	7.6
	25	25 – 29.9	9.9
High protection	30	30 – 49.9	12.4
	50	50 – 59.9	25.0

