

Specific Application of ATO-W20 for Porcelain Tile Bodies

ATO-W20 is developed specifically for porcelain tile manufacturers with its unique chemistry formulation. Matrix works closely and improving ATO-W20 performances with customers and concluded below 2 keys criteria are applied successfully with better whiteness and less shrinkage.

Double Charge Porcelain Tile

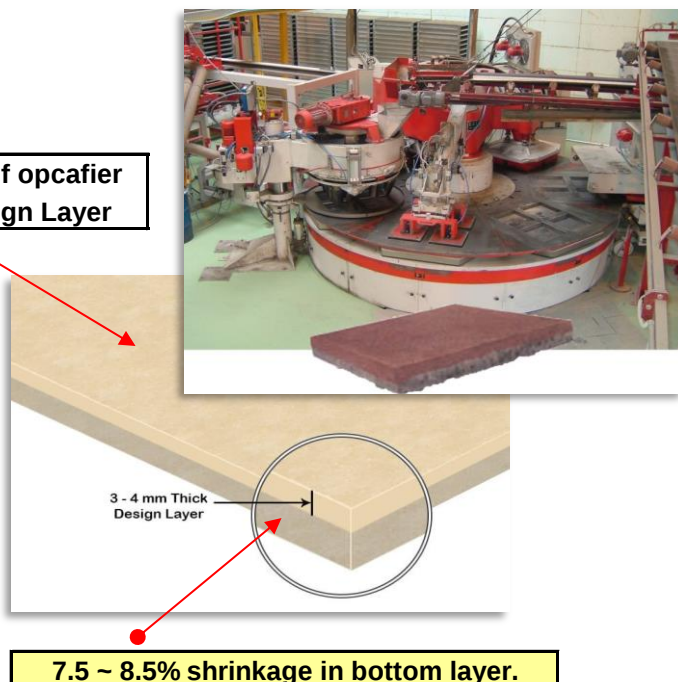
- * Recommending to add 2% of ATO-W20 into desing layer for initial test.

2% added into Design Layer		Shrinkage
Opacifier	63% Zircon	8 ~ 9%
	Zircosil 1 Plus	11.50%
Whitener	ATO-W20	7.5 ~ 8%

- * The shrinkage % of design layer with ATO-W20 is identical with bottom layer.

- * Material cost is almost half of 63% opacifier.

2 ~ 4% of opacifier
in Design Layer



Big Slab (Panel Tile) of China & India

- * Basic white index requirement is 80 ~ 90% and min 75% by adding 10 ~ 12% of regular 63% opacifier.

- * By adding 2 ~ 5% of ATO-W20, the white index of Big Slab porcelain body can be achieved > 85%.

