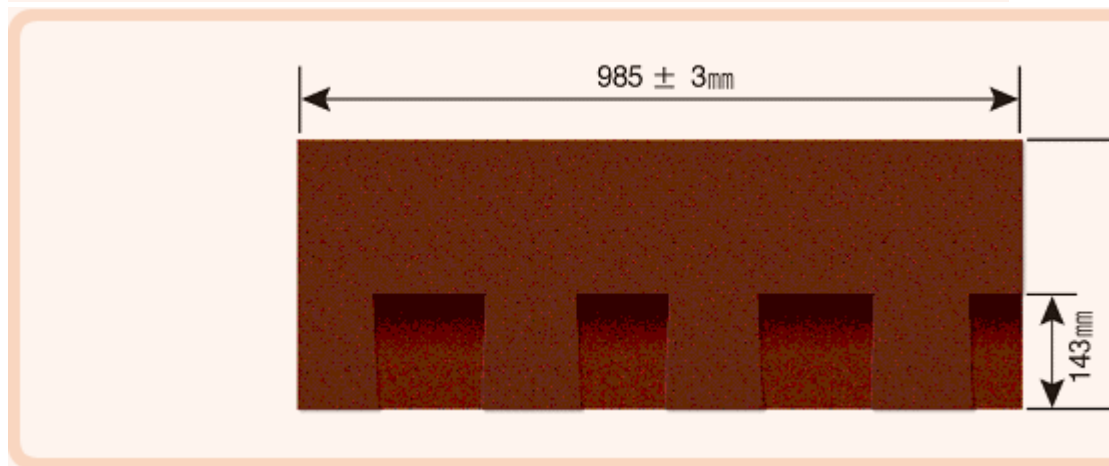


DRAWING MASTERPIECE(laminated shingles with self-adhesive back side)



DIMENSIONAL PROPERTIES

	U.M	NOMINAL VALUE	TOLERANCES
LENGTH	mm	1,000	+/-3
WIDTH	mm	336	+/-3
THICKNESS	mm	3	+/-0.3
EXPOSURE	mm	143	+/-3

WEIGHT PROPERTIES

	U.M	NOMINAL VALUE		TOLERANCES
		Single layer	Roofed	
WEIGHT	Kg/	-	>12	+/-10 %
G.F.'S WEIGHT	gr/	>120		>94
GRANULES	gr/	>1,400	>4,200	-
WEIGHT				

CHEMICAL & MECHANICAL PROPERTIES

	U.M	NOMINAL VALUE	TOLERANCES
TENSILE STRENGTH			
LONG	N/5cm	>750	ASTM D 3462
TRASV	N/5cm	>450	
NAIL SHANK	N		
TEAR RESISTANCE		>100	
GRANULES	-gr	<1.5	
ADHENSION			

PACKING

BUNDLES	WRAPPING	THERMAL SHRINKAGE FILM
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	NUMBER OF SHINGLES	16
	AVERAGE ROOF AREA	2.25