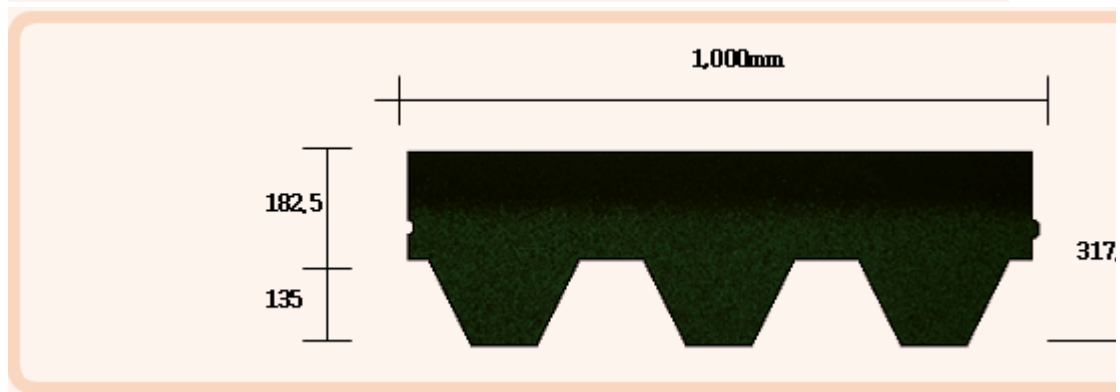


○ DRAWING PUZZLE(Hexagonal Shingle)



○ DIMENSIONAL PROPERTIES (EN 544 : 2005)

	U.M	NOMINAL VALUE	TOLERANCES
LENGTH	mm	1,000	+/-3
WIDTH	mm	317.5	+/-3
THICKNESS	mm	3	+/-0.3
EXPOSURE	mm	135	+/-3

○ WEIGHT PROPERTIES (EN 544 : 2005)

	U.M	NOMINAL VALUE		TOLERANCES
		Single layer	Roofed	
WEIGHT		-	>7	+/-10 %
G.F.'S WEIGHT	Kg/□	>120		-4/+8
GRANULES	gr/□		>3,000	+/-10%
WEIGHT	gr/□			

○ CHEMICAL & MECHANICAL PROPERTIES (EN 544 : 2005)

	U.M	VALUE(Nominal/Heated)	TEST
MASS OF BITUMEN	gr/m ²	≥1,300	EN 544 : 2005
TENSILE STRENGTH	N	>600	EN 544 : 2005
NAIL SHANK	N	>300	EN 544 : 2005
TEAR RESISTANCE	mm	≤ 0.2	EN 544 : 2005
FLOW RESISTANCE at ELEVATED TEMPERATURE	%	0.3	EN 544 : 2005
WATER ABSORPTION		NO CRACKING or	EN 544 : 2005
RESISTANCE TO	gr		

UV RADIATION		FISSURING	EN 544 : 2005
ADHESION of MINERAL GRANULES		0.2	

PACKING

BUNDLES	WRAPPING NUMBER OF SHINGLES ROOF AREA	THERMAL SHRINKAGE FILM 22PCS 3.0□
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