

FHWA Selection Guide FP-14 Section 714 Geosynthetic Material

Table 714-1 Separation and Stabilization Geotextile and Geotextile Filter Requirements¹		
SPECIFICATIONS	WOVEN	NONWOVEN
Class 1		
Type A	FW404 or RS280i	180N
Type B	FW404 or RS280i	180N
Type C		180N
Type D	FW404 or RS280i	180N
Type E		180N

Class 2		
Type A	FW404	160N
Type B	FW404	160N
Type C		160N
Type D	FW404	160N
Type E		160N

¹ Do not use woven slit film geotextile

Table 714-2 Paving Geotextile Requirements	
SPECIFICATIONS	Paving
	MPV600

Table 714-3 Geocomposite Drain Requirements	
SPECIFICATIONS	Sheet Drain
Type 1	G200NC

Table 714-4 Stabilization Geogrid Requirements	
SPECIFICATIONS	BIAXIAL GEOGRID
Stabilization	BXG120

Table 714-5 and 714-6 Reinforcement Geotextile & Geogrid Polymer Requirements¹						
SPECIFICATIONS	Type I	Type II	Type III	Type IV	Type V	Type VI
	2XT ²	3XT	5XT	5XT	7XT	8XT

¹Based on RF_{cr} of 1.45 (NTPEP), RF_{id} of 1.1 (min) and RF_d of 1.15 (pH between 5-8). These are based on meeting the min. nominal Long Term [Design] Strength (T_{dl}) outlined in Table 714-6. The T_{dl} is the value typically used in design of reinforced structures. Sometimes an ultimate strength is incorrectly specified instead of or in addition to the T_{dl} . If the ultimate strength in Table 714-6 is also required as part of the specification then the products for Type IV, V and VI are Miragrid® 7XT, 8XT, and 10XT respectively. ² Does not meet Mass per Unit Area requirement as stated in Table 714-5.