

System Crack Resistant Underlayment Comparison (typically over concrete or 'gypcrete')

Value Elements	DemoFlex TMS or TMS Plus	Sheet/Liquid Membranes	Uncoupling Mat
Material Costs	proportionate	proportionate	higher
Installation Costs	proportionate	proportionate	higher
Installation Times	proportionate	proportionate	slower
Mitigates Floor Deflection			some
Mortar Required Below		some	✓
Silica Dust Added Below		⚠	⚠
Silica Encapsulated Above	✓		
10X Faster Tile Demo	✓		
10X Faster Tile Repair	✓		
Dust added during demo/repair		✓	✓
Fully Bonded	✓	✓	✓
Sound Isolation	TMS Plus	some	few can
System Crack Resistance	✓	✓	✓
Water & Alkali Resistant	✓	✓	✓
Commercial Traffic	✓	✓	most
Fully Submersible		some	some

Comparing Substrate/Underlayments – Above Grade Combinations (non-concrete)

Value Elements	DemoFlex TMS / Plus on Plywood	Backer-Board or Uncoupling Mat
Material Cost	proportionate	proportionate
Installation Costs	proportionate	proportionate
2X Faster Installation Time	✓	
Strongest Deflection Resistance or Load Capacity	✓	few can
Mortar Required Below		✓
Silica Dust Added Below		⚠
Silica Encapsulated Above	✓	
10X Faster Tile Floor Demo	✓	
10X Faster Broken Tile Repair	✓	
Dust added during demo/repair		✓
Fully Bonded	✓	✓
Sound Isolation	TMS Plus	few can
System Crack Resistance	✓	✓
Water & Alkali Resistant	✓	✓
Commercial Traffic	✓	✓
Lighter Weight Installation	✓	some