

emtek™ XP 400F

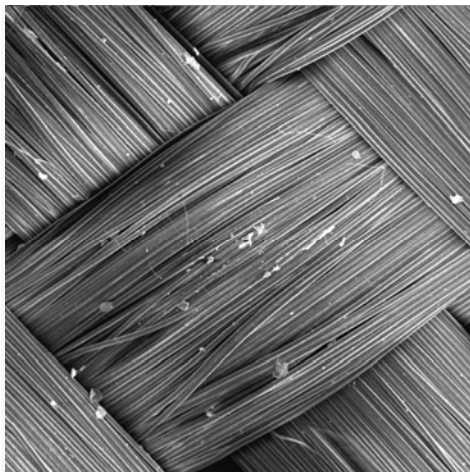
HEAVY EQUIPMENT MAT

The **emtek® XP 400F** is a multi-core composite reinforced with a synthetic fiber shell based on our patented hardwood composite mat.

The **emtek® XP 400F** is specifically designed for mining and hauling applications with axle loads approaching a million pounds.



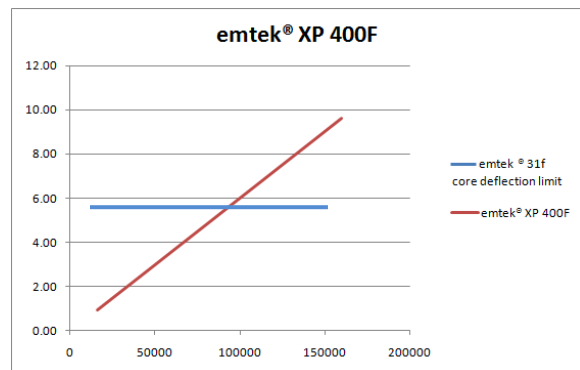
High modulus carbon and aramid fiber fabrics wrap the individual hardwood composite core components to increase the fracture and bending strength properties of the mat.



10X Strength property increase over our standard **emtek®** hardwood composite. Values based on full scale laboratory and continuous quality control destructive testing.

Product	Max center load on 4' wide mat over 12' span
12" Timber	37,916
7.5" Emtek 31F	36,732
7.5" Emtek XP 400F	366,136

Balanced construction matches the flexural properties of the hardwood composite core to the synthetic fiber wrap. This allows higher loads to be applied before core fracture and creates a product that exhibits a ductile failure mode instead of catastrophic failure.



Preservative Treatment is applied to the **emtek®** core through a vacuum pressure process. MicroPro by Osomose® is used in the pressure treatment process to extend the life of the mat by significantly reducing the effects of core rot and decay.

LifeWood® - Micronized Copper Azole