



BUILDING STRENGTH™

**SHAKE-ON
FLOOR HARDENERS**

**CONCRETE
CONSTRUCTION
SOLUTIONS**

BROCHURE

 **DAYTON[®]
SUPERIOR**



Ferro Tuff™ Natural and Ferro Tuff™ Non Rust Natural

Metallic Shake-On Floor Hardeners

Ferro Tuff is a ready to use floor hardener designed for flat floors. It is comprised of clean and specially graded iron aggregate, special additives and Portland Cement.

Ferro Tuff is designed to provide an extremely dense, abrasion resistant and ductile floor for most floor applications. Concrete treated with Ferro Tuff will be very resistant to dusting, spalling, deterioration and surface abrasion. The ductile iron aggregate helps prevent spalling and fractures by distributing high pinpoint impact loads over a larger area.

Applications for Ferro Tuff include airplane hangers, manufacturing plants, foundries, smelters, generating stations, industrial plants, etc.

Features and Benefits

- Designed for flat floors
- High impact-resistant floor
- Ductile metal aggregate resists high impact point loads
- Up to 8 times the abrasion resistance of normal concrete
- Improved resistance to chemicals, oils, grease or solvents
- Long service life/low maintenance
- Resistant to dusting, spalling and deterioration

Emery Tuff™ Natural

Non-Rusting Shake-On Floor Hardener

Emery Tuff Natural is a ready-to-use floor hardener comprised of a blend of 100% pure emery, special additives and Portland Cement. Emery is a naturally occurring, mined material that is extremely hard, tough and abrasion resistant. In fact, emery is so hard that the Moh's Hardness Scale, with a diamond rating as a 10, rates emery as an 8 to 9. As a result, proper installation of Emery Tuff Natural will impart long life and extremely high durability to concrete floors and surfaces.

Emery Tuff Natural is completely non-corrosive and rust-free and can be used either inside or outside. Emery Tuff offers a superior alternative to metallic floor hardeners because it is rust-free, has a lower installed cost and will provide a hard and abrasion resistant floor. It is ideal for heavy duty industrial floors.

Features and Benefits

- Dramatically increases the life of a concrete floor up to 8 times the wear of concrete
- Emery is one of the hardest, most durable materials known to man. Moh Hardness Scale: Diamond=10, Emery=8 to 9
- Non-rusting/can be used in a wet environment (metallic hardeners cannot)
- Easy to apply/less labor than metallic
- Resists moisture penetration/easier to clean
- Greater depth per pound of emery vs. metallic
- Resistant to dusting, spalling and deterioration
- Interior or exterior applications

Quartz Tuff™ Natural and Quartz Tuff™ Light Reflective Natural

Non-Metallic Shake-On Floor Hardener

Quartz Tuff is a ready-to-use non-metallic floor hardener comprised of finely graded quartz aggregates, special additives and Portland Cement. Proper installation of Quartz Tuff will impart long life and high durability to concrete floors. It can be used inside or outside and it is completely non-rusting.

Quartz Tuff Light Reflective is ideal for floors requiring light reflectivity, such as aircraft hangars and automotive assembly plants.

Features and Benefits

- Hardens and densifies concrete surfaces/floors
- Non-rusting/can be used in a wet environment
- Easy to apply
- Resists moisture penetration/easier to clean
- Improved resistance to deicing salts
- Increases the life of a floor
- Resistant to dusting, spalling and deterioration



Penetration

This “cut-away” view demonstrates the penetration depth of Dayton Superior shake-on floor hardeners. Depth typically is approximately 1/8" to 1/4" deep. The depth of shake-on floor hardener will depend on the pounds per square foot of shake-on hardener applied.

No matter which Emery Tuff, Ferro Tuff or Quartz Tuff formulation you choose, they will provide years of excellent wear and service.

Emery Tuff™ Top

Premium Industrial Floor Topping

Emery Tuff Top is a ready-to-use floor topping comprised of a blend of 100% pure emery corundum, special additives and portland cement. Emery is a natural mined material that is extremely hard, tough and abrasion resistant. In fact, emery is so hard that on the Moh's Hardness Scale, with diamond rating as a 10, emery is rates as an 8 to 9. As a result, proper installation of Emery Tuff Top impacts very long life and extremely high durability to concrete floor and surfaces.

Emery Tuff Top is completely non-corrosive and rust-free and it can e used either indoors or out. Emery Tuff Top offers superior alternative to metallic floor toppings because it is rust-free, has a lower installed cost and will provide a harder, denser and more abrasion resistant floor.

Applications for Emery Tuff Top include: industrial plants, waste transfer stations, foundries, car, truck and tractor assembly plants, loading docks, smelters, warehouses, service garages, processing plants, generating stations, sewage and water treatment plants, resource recovery plants, paper mills, etc.



Features and Benefits

- Dramatically increased the life of a concrete floor up to 10 times the wear of concrete
- Moh Hardness Scale: Diamond=10, Emery=8 to 9
- Non-rusting material can be used in a wet environment (typical metallic toppings cannot)
- Superior to metallic toppings in wear/abrasion resistance
- Easy to apply/less labor intensive than metallic toppings
- Resists moisture penetration/easier to clean
- Greater volume of material per pound of emery vs metallic topping
- Resistant to dusting, spalling and deterioration
- Interior/exterior applications
- Greater chemical resistance vs metallic toppings



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