MF 1.5 - HYBRID BELT REPAIR PRODUCT

Made in Germany

Hejatex
made in germany

MF 1.5

Microfusion International Inc. proudly introduces Hejatex MF-1.5, a premium VOC-free, non-toxic, and non-flammable belt repair and cold vulcanizing solution engineered in Germany.
These products deliver fast, durable, and environmentally safe repairs for demanding industries such as steel, mining, cement, and power plants.

Repair of rips, holes, and surface damage on rubber, PU, and PVC conveyor belts.

Cold vulcanizing splicing of multiply and steel cord belts.

Bonding pulley lagging, ceramic tiles, wood, and textile fabrics.

Resistant to water, seawater, potash, sulfur, oil, gasoline, alkalis, acids

KEY BENEFITS

- Curing within a maximum of 15 minutes at 23°C / 73°F
- VOC-free, solvent-free, and non-toxic formulation.
- Non-flammable and safe for workplace use.
- Fortified with Ceramic
- Durable repairs with high resistance to heat, chemicals, and wear.
- Proven under extreme temperature, humidity, and dust.

FORTIFIED WITH CERAMIC

SIMPLE 5 STEPS APPLICATION PROCEDURE

- Roughen the surface.
- Clean using a hand brush.
- Apply the first layer of MF-2500 and rub in with a round brush.
- Fill the damaged area with additional material.
- Finish – belt ready after curing.

SURFACE PREPARATION

Surfaces must first be thoroughly ground with an angle grinder, then roughened. Use carbide abrasion discs with grit size 16 or 24, operating at 600–800rpm to prevent overheating and smearing. Final roughening should be done with a manual brush or an electric/pneumatic roughening tool to achieve a surface roughness of up to 120 µm RZ.

EQUIPMENT REQUIRED:

- Cutter
- Spatula
- Round brush Ø 30 mm or Ø 40 mm
- Angle grinder
- Abrasive discs grit 16 or grit 24
- Metal roughing brush or a carding brush
- Hand brush for cleaning (unsoiled and oil free)
- Double Caulking gun
- Adhesive tape
- Pair of disposable gloves

TYPICAL DATA

Available in Self-Leveling Version - MF 1500

Parameter	Self Leveling	Thick Version
Pot life at 23 Celsius (minutes)	1.5	1.5
Open time at 23 Celsius (minutes)	10-20 min	10-20 min
Curing time for functional strength for repair applications at 23 Celsius (minutes)	30 min	30 min
Required quantity to fill 1 mm thickness over 1 m2	1200g	1200g
Shore Hardnes A	60-65	60-65

CEREMIC FORTIFIED

- Abrasion resistance – ceramics resist wear better than rubber or polymer alone.
- Hardness & durability – ceramic reinforcement increases surface strength against sliding and impact wear.
- Heat resistance – ceramic can withstand higher operating temperatures without degradation.
- Extended service life – repairs last longer in extreme environments (e.g., ore transfer points, clinker conveyors, or hot material handling).

INDUSTRIAL APPLICATIONS

- **Mining:** conveyors handling sharp, abrasive ores.
- **Cement plants** where clinker and raw meal cause severe wear.
- **Aluminum smelters** with high-temperature belt operations.
- **Steel plants** for Steel code belts, conveyors, chutes, hoppers, and liners exposed to abrasion