



Marathon Sealing FZE
Ajman Free Zone
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Marathon Method Statement of Work

Asphalt Crack Sealing Maintenance With Hot Applied Rubberized Sealant Material

- 1- Surrounding pavement shall be in Min. 70% good condition or Min. PCI 70.
- 2- Jobsite selection and types of cracks suitable for crack sealing operation:
 - Longitudinal & Lateral Cracks
 - Transverse Cracks
 - Thermal Cracks
 - Blocking Cracks (with low and Medium Tension)
 - Crack Width: Starting from 3 mm to Max. 30 mm

The following cracks are not suitable for the sealing jobs:

- Alligator Cracks
- Blocking Cracks with high tension
- Cracks resulting from the failure of base layers and settlement

Procedures:

Item 1 – CREATION OF THE RESERVOIR BY MARATHON CRACK ROUTER CR260 K – DRY ROUTING

Routing and creating reservoir on the existing cracks with the router machine Marathon CR 260K (liquid cool engine ideal for hot weather condition) with a nominal width of 15 to Max. 30mm.

If the width of the crack is less than 10 mm, rout the crack to the depth of 10 mm, if the width is more than 20 mm, rout to Max. 19 mm.

Operator can guide the router and follow random cracks.





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Item 2 – CLEANING OF THE ROUTED CRACK IN TWO STEPS

STEP 1-

Cleaning of the surface and surrounding pavement of the routed crack/joint out of any debris by WIND BLOWER:



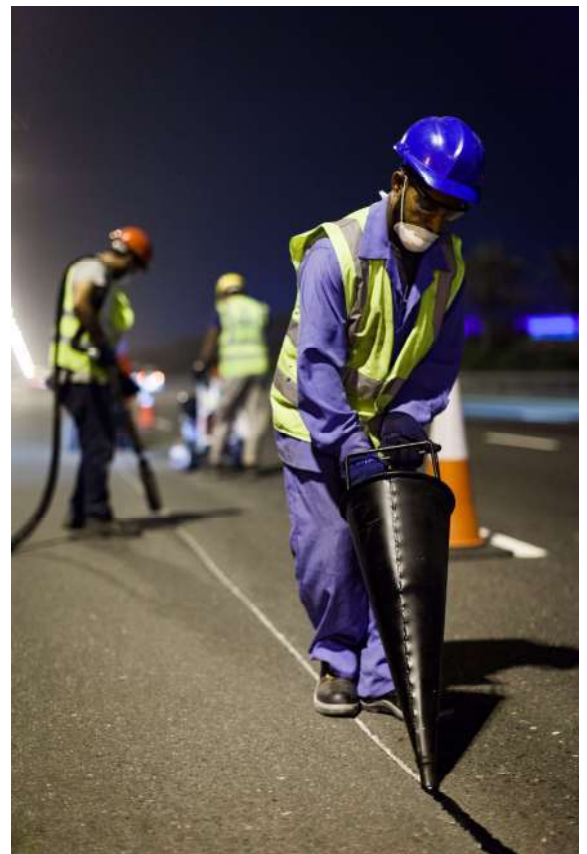
STEP 2-

Cleaning inside of the routed joint/crack with air compressor out of any loose material or debris before application of the sealant, simultaneously heating the crack with Hot Air Lance using Gas cylinder.



Item 3 – APPLICATION OF HOT APPLIED RUBBERIZED SEALANT MATERIAL WITH OIL JACKETED KETTLE EQUIPPED WITH CONES

Supply & apply of the sealant material Deery 200 and/or Sealmaster Crack Master per attached technical specification at recommended application temperature into the routed crack/joint with the special oil jacketed Kettle (Marathon or Sealmaster series) using cones. The material will be heated through thermal oil. Kettle is equipped with oil jacketed tank for indirect heating of the material as well as hydraulic system for constant agitation. The kettle is equipped with thermostat as well as material and oil temperature control gauges.





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Item 4 – MANUAL SPREADING OF PORTLAND CEMENT POWDER ON TOP OF THE APPLIED MATERIAL FOR FASTER CURING TIME (IF NEEDED TO BE OPENED TO TRAFFIC QUICKLY)

If needed, apply normal Portland cement on top of the sealed cracks in order to open the traffic faster on the jobs. Curing time varies between 10 to 20 minutes.



Item 5 – PERFORMED JOB MEASUREMENT

The performed jobs will be measured and preceded at each shift by both parties' representatives with measuring wheel based on LM of crack. Nominal 500 to 1000 Linear Meter of crack sealing can be performed per full shift/day.

With Regards,
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