

Project Profile:
Tunnel A3 Hindhead, Surrey, United Kingdom

In cross passages the membrane was applied manually with a thickness of 5 mm, and application rates of about 80 m² per hour (see Figure 5). Material consumption in both cases ranged from 4 to 5 kg/m².



Figure 5: Manual membrane application in cross passages

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

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Project benefits

The related project benefits include

- Faster installation of the waterproofing system and the secondary lining
- Increased application rates of sprayed concrete and membrane compared to the conventional design
- Flexibility in logistics allowing the contractor to save on personnel, equipment and downtime
- Simplified formwork for construction of the cast in situ side walls
- Reduced equipment costs by approx. £1.5 Million (same equipment for membrane and sprayed concrete application)
- Material savings by replacing cast in situ concrete by sprayed concrete
- Reduced construction time and increased flexibility (saving of 3 to 4 months).