

ArcelorMittal Fibres

Reinforced concrete solutions

Tunnel Lining Projects

Reference list of
underground projects

TUNNEL LINING PROJECTS: Reference list of underground projects



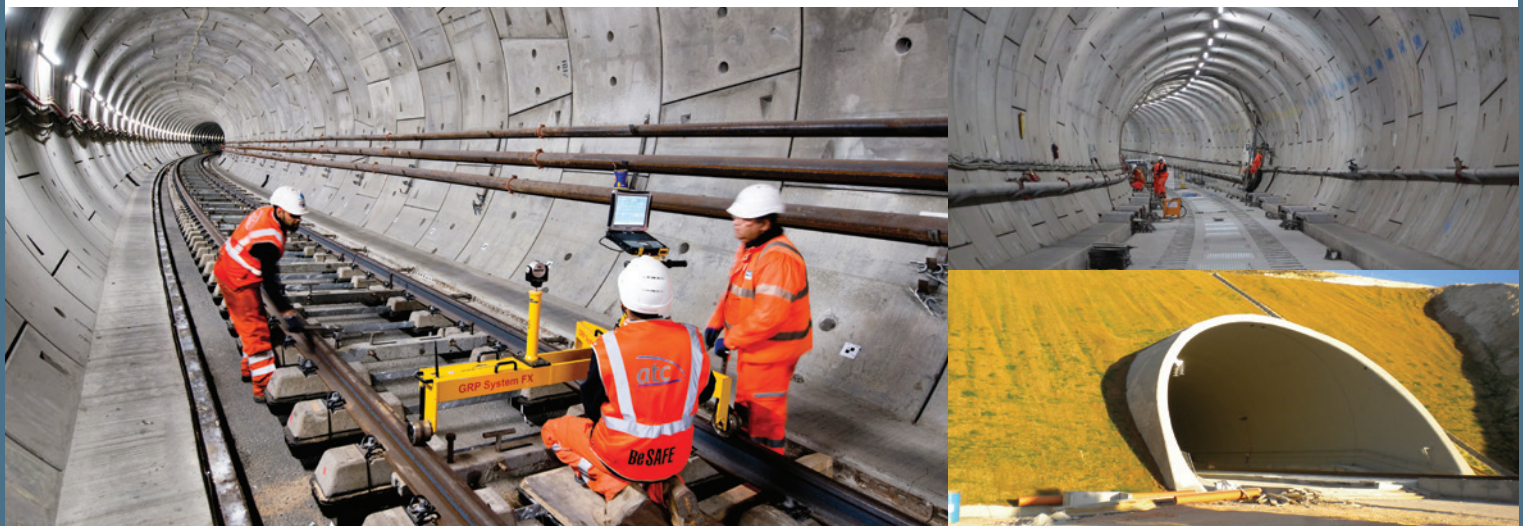
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Steel Fibres for Tunnel Lining Segments:



Hooked End Fibre: HE++ 90/60

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 Qatar	Idris – Inner Doha Re-sewerage Implementation Strategy – Main Trunk Sewer	HE++ 90/60	2000	MTS01 JV – Bouygues Travaux Publics S.A.S, Urbacon Trading & contracting WLL and BeSSAC S.A.S
Qatar	Qatar Rail, Doha Metro Red Line South	HE++ 90/60	7520	QDVC JV
Qatar	Private Island Project	HE++ 90/60	707	SMEET
Qatar	Qatar Rail, Doha Metro Golden Line	HE++ 90/60	6400	CCI (Commodore Cement Industries)
 UK	Crossrail London - Crossrail Running Tunnels - East	HE++ 90/60	4900	Dragados Sisk JV
UK	Crossrail London - Crossrail Thames Tunnel	HE++ 90/60	1100	Hochtief Murphy JV
UK	Thames Tideway Central Tunnels	HE++ 90/60	3600	Ferrovial Agroman Laing O'Rourke JV, Pacadar
UK	HS2 Chiltern Tunnels, Central Section C1	HE++ 90/60	15281	Align JV, Tarmac
UK	HS2 Long Itchington Wood Tunnels, Northern Section N1	HE++ 90/60	1200	BBV JV, Pacadar
UK	Humber Tunnel	HE++ 90/60	408	Skanska, PORR Bau GmbH and A.Hak JV, Shay Murtagh
UK	National Grid Power Tunnels	HE++ 90/60	1800	Hochtief and J.Murphy & Sons JV, Shay Murtagh
 Ireland	Corrib Tunnel	HE++ 90/60	120	Shay Murtagh
 Spain	Mularroya Water Tunnel	HE++ 90/60	1000	Acciona - Sacyr JV, Acciona
 France	Grand Paris Express Line 16 Lot 2	HE++ 90/60	5600	Webuild & NGE JV, GIE Alliance
France	Grand Paris Express Line 18 Lot 1	HE++ 90/60	4600	VINCI and SPIE JV, Stradal
France	Grand Paris Express Line 16 Lot 3	HE++ 90/60	2500	Razel-Bec, SEFI Intrafor, Fayat Metal JV, GIE Alliance
 New Zealand	City Rail Link – Auckland	HE++ 90/60	735	Link Alliance JV, Wilson Group
New Zealand	Central Interceptor – Auckland	HE++ 90/60	2250	Ghella Abergeldie JV, Wilson Group
 Poland	Świnoujście Road Tunnel	HE++ 90/60	1266	Gulermak, PORR, Cemex






Hooked End Fibres: HE++ 75/50 | HE 75/50

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 Qatar	Qatar Rail, Doha Metro Red Line North	HE++ 75/50	7500	SMEET
 Spain	Tunnel Abdalajis High Speed Railway Line Cordoba-Malaga	HE++ 75/50	450	Drace (Dragados - ACS Group)
Spain	Tunnel Abdalajis High Speed Railway Line Cordoba-Malaga	HE++ 75/50	320	Sacyr
Spain	Madrid Underground	HE 75/50	860	Acciona Infraestructuras
Spain	Madrid Underground	HE 75/50	890	Fomento de Construcciones y Contratas (FCC)
Spain	Madrid Underground	HE 75/50	430	Sacyr





Hooked End Fibre: HE 1/50

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 Spain	Tunnel Sorbas High Speed Railway Line Almeria-Murcia	HE 1/50	1100	Fomento de Construcciones y Contratas (FCC)



Hooked End Fibre: HE+ 1/60 | HE 1/60

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 Czech Republic	Ejovice Railway Tunnel	HE+ 1/60	3600	Metrostav
 UK	North Bristol Relief Sewer	HE 1/60	300	J Murphy & Sons Ltd, Macrete

Steel Fibres for Cast in Place:



Hooked End Fibre: HE+ 1/60

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 Singapore	Deep Tunnel Sewerage System 2, Lot T-08	HE+ 1/60	1350	Penta-Ocean and Koh Brothers JV



Hooked End Fibre: HE++ 90/60

LOCATION	PROJECT	FIBRE	TONNES	CONTRACTORS / SUBCONTRACTORS
 UK	Thames Tideway Eastern Tunnels - Secondary Linings	HE++ 90/60	1500	Costain, VINCI, and Bachy Soletanche JV, Hanson
UK	Thames Tideway Central Tunnels - Secondary Linings	HE++ 90/60	1800	Ferrovial Agroman and Laing O'Rourke JV, Hanson

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