

ArcelorMittal Fibres

Reinforced concrete solutions

Sprayed Concrete Projects

Reference list of
underground projects

SPRAYED CONCRETE PROJECTS: Reference list of underground projects



ArcelorMittal

Steel Fibres for Sprayed Concrete:







Flat End Fibres: FE 60/36 | FE 65/35 | FE 67/30

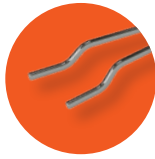
LOCATION	PROJECT	FIBRE	TONNES	CLIENTS/CONTRACTORS
 Dubai	Metro	FE 60/36	500	(BeSix) Sixco
 Finland	E18 East Highway Road Tunnels	FE 60/36	150	YIT Rakennus
Finland	Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	560	YIT Rakennus
Finland	Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	580	Kalliorakennus-Yhtiöt
Finland	Kehärata Rail Tunnel Helsinki-Vantaa Airport	FE 60/36	1000	Skanska, SRV, Rudus Oy
Finland	Länsimetro Helsinki-Espoo	FE 60/36	3000	Skanska, Lemminkäinen, Rudus Oy
Finland	Kemi Mine	FE 60/36	300	Outokumpu, Tapojärvi, Rudus Oy
Finland	Kalasatama Underground Parking Facility	FE 60/36	400	SRV Infra, Rudus Oy
Finland	Töölönlahti Underground Parking Facility	FE 60/36	200	YIT Infra, Rudus Oy
Finland	E18 West Highway Road Tunnels	FE 65/35	410	Skanska Infra, Lemminkäinen Infra
Finland	Sulkavuoren Underground Waste Water Treatment Plant	FE 60/36	150	Rudus Oy
 France	Railway Tunnel Perthus	FE 65/35	595	Eiffage TP, ACS Dragados
France	Road Tunnel Schirmeck	FE 65/35	256	Razel
France	Railway Tunnel TELT Lyon Turin Descenderie St Martin La Porte	FE 65/35	200	Razel (B&B), Pizzarotti, GRA
 Hong Kong	Discovery Bay Tunnel	FE 67/30	300	Kumagai Gumi
Hong Kong	MTR Kwai Chung	FE 67/30	300	Hyundai
 The Philippines	Duckwasserstollen, Bakun	FE 67/30	200	Transfield
The Philippines	Duckwasserstollen, Bakun II	FE 67/30	650	Leightons
 Spain	Ute Autovía Nerja – Almuñecar Road Tunnel	FE 67/30	840	Dragados, Ossa
Spain	Ute Portas High Speed Railway Line Galicia	FE 67/30	700	Aldesa, Tapusa, Dycaminos, Ossa
Spain	Túnel de Bracons UTE, Road Tunnel	FE 67/30	960	FCC, Guinovart, OSHSA
Spain	High Speed Railway Line Cordoba/ Málaga Túnel Álora-Túnel El Espartal	FE 67/30	1200	Ferrovial
 Switzerland	Alp Transit Railway Tunnel ARGE Ferden	FE 67/30	2740	Losinger, Prader, EDIT
Switzerland	A5 Highway, Tunnel Concise et Lance	FE 67/30	700	Frutiger, Batigroup, Walo
Switzerland	Alp Transit Gotthard, Bodio 553 Fondazioni Speciali	FE 67/30	700	Pizzarotti, Muttoni, Ferrari



Hooked End Fibres: HE 55/35 | HE+ 55/35

LOCATION	PROJECT	FIBRE	TONNES	CLIENTS/CONTRACTORS
 Faroe Island	Eysturoy Road Tunnel	HE+ 55/35	500	NCC Norway
 Norway	E6 and Dovrebanan Rail and Road Tunnels	HE 55/35	500	Contractor Alpine, Hæhre Entreprenør Beton Øst AS
Norway	Storberget Rail Tunnels	HE 55/35	1000	NCC, NorBetong AS
Norway	Skillingmyr Rail Tunnels	HE 55/35	1000	Veidekke, NorBetong AS
Norway	E136 Vågstrand Road Tunnels	HE 55/35	400	Bilfinger Construction, M3
Norway	E134 Gvammen Road Tunnel	HE+ 55/35	1000	NCC, Fertigbetong
Norway	E134 Kongsberg	HE+ 55/35	500	Veidekke, Fertigbetong
Norway	E134 Kongsberg	HE+ 55/35	300	Metrostav, Fertigbetong A/S
Norway	E18 Kjørholt and Bamble Road Tunnels	HE+ 55/35	400	Hæhre Entreprenør AS, NorBetong AS
Norway	Rv 36 Slåttekåstunnelen Road Tunnels	HE+ 55/35	24	NCC Norway
Norway	Bybanen Bergen, D12 Fløen - Kronstad, Tram Tunnel	HE+ 55/35	250	NorBetong, Skanska
Norway	Jölstra Kraftverk, Hydropower Plant Water Tunnel	HE+ 55/35	250	Sunnfjord Betong, YIT
Norway	Porsgrunn Rehabilitation, Road Tunnel Renovation	HE+ 55/35	50	NorBetong, AF-Gruppen
Norway	Sandbukta - Moss - Såstad, Rail Tunnel	HE+ 55/35	210	NorBetong, MossIA ANS, Implenía-Acciona
 Spain	High Speed Railway Line Madrid, Valencia Villagordo Venta Del Moro - Naharros	HE 55/35	1300	Acciona Infraestructuras
Spain	High Speed Railway Line Basque Country Legorreta, Ute Legorreta	HE 55/35	900	Acciona, Viuda De Sainz
Spain	High Speed Railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilagarcía De Arousa-Catoira, Ute Catoira	HE 55/35	500	Acciona Infraestructuras, Obras Subterráneas
Spain	High Speed Railway Line Galicia, Obras De Eje Atlántico De Alta Velocidad Tramo, Vilaboa - Soutomayor	HE 55/35	300	Comsa
Spain	High Speed Railway Line Galicia, Plataforma Del Corredor Norte Noroeste De Alta, Velocidad Eje: Ourense Santiago, Ute Ave Ulla	HE 55/35	900	Dragados, Tecsa
Spain	High Speed Railway Line Galicia, Plataforma Del Corredor Norte Noroeste De Alta, Velocidad Eje: Ourense Santiago, Ute Carballiño	HE 55/35	350	Sacyr, Cavosa, Osega
Spain	High Speed Railway Line Barcelona/French border, Plataforma Ave Barcelona Sants - Figueres, Ute Estación Ave Sarria Del Ter	HE 55/35	600	Aldesa, Coalvi
Spain	Road Tunnel Canarias Nueva Carretera Autopista Gc1 Tramo Puerto Rico/Mogán, Ute Gc1 Puerto Rico Mogán	HE 55/35	750	FCC, Isolux, Petrecan
Spain	High Speed Railway Line Asturias, Plataforma Ave Leon Asturias Tramo, Sotillo - Campomanes	HE 55/35	600	Acciona Infraestructuras
 Sweden	Nya Karolinska Solna University Hospital Solna/ Stockholm Rock stabilization	HE 55/35	150	Skanska Asphalt & Betong
 UK	Crossrail C-510, Liverpool Street and Whitechapel Stations	HE 55/35	4800	BBMV-Balfour Beatty, Morgan Sindall, Alpine Bemo, Vinci
UK	Crossrail C-305, Eastern Running Tunnels	HE+ 55/35	1000	DSJV- Dragados Sisk

Steel Fibres for Sprayed Concrete:



Hooked End Fibres: HE 55/35GL | HE+ 55/35GL

LOCATION	PROJECT	FIBRE	TONNES	CLIENTS/CONTRACTORS
Faroe Islands	Sandøyr Road Tunnel	HE+ 55/35GL	500	NCC
Finland	Kiistala Mine	HE 55/35GL	600	Rudus Oy, Skanska Infra, Lemminkäinen Infra
	Kemi Mine	HE+ 55/35GL	250	KiBe Oy, Tapojärvi, Outokumpu
France	Road Tunnel Descendant Ouest Monaco	HE 55/35GL	270	Eiffage/EMT
	Road Tunnel Borne Romaine	HE 55/35GL	219	Campenon B/EMT
	Railway Tunnel TELT Lyon Turin Galerie St Martin La Porte	HE 55/35GL	738	Spie Batignolles - Eiffage
Norway	Sandbukta - Moss - Sæstad, Rail Tunnel	HE+ 55/35GL	200	MossIA ANS, Implenia-Acciona
Sweden	Västlänken - Deletapp Korsvägen, Rail Tunnel	HE 55/35GL	1050	Thomas Betong, NCC



Hooked End Fibre: HE 75/35

LOCATION	PROJECT	FIBRE	TONNES	CLIENTS/CONTRACTORS
France	A89 Road Tunnel, Violay, Bussière et Chalosse	HE 75/35	619	Spie Batignole, Razel
	A50-A57 Road Tunnel, Toulon	HE 75/35	90	Bouygues TP, Solétanche
	Railway Tunnel, Chavanne	HE 75/35	91	Spie Batignole
	Railway Tunnel TELT Lyon Turin Galerie St Martin La Porte	HE 75/35	120	Spie Batignolles - Eiffage
	Hydroelectric Development Romanche Gavet Livet	HE 75/35	130	Dodin - Campenon Bernard
Luxembourg	A7 Highway Road Tunnel, Luxembourg Tunnel Arge Grouff (TAG)	HE 75/35	3831	Félix Giorgetti, Galère, Max Bögl, Wayss, Freytag, Ingenieurbau
	A7 Highway Road Tunnel, Luxembourg Arge Tas Tunnel Stafelter GBR	HE 75/35	1514	Félix Giorgetti, Galère, Max Bögl, Wayss, Freytag, Ingenieurbau
	Hydraulic Pump Station, Vianden	HE 75/35	358	Züblin
Spain	A6 Highway Madrid, Road Tunnel in Sierra de Guadarrama Ute Tunel Valle De Los Caidos	HE 75/35	303	Dragados, Acsa, Agbar
	High Speed Railway Line Madrid Levante Railway Tunnel in Alicante, Ute Sax Elda	HE 75/35	290	Sacyr, Cavosa
	High Speed Railway Line, Madrid/Asturias Railway Tunnel in Asturias, Ute Ave Campomanes	HE 75/35	866	Comsa, Corsan, Corviam Construcción
	High Speed Railway Line Galicia Railway Tunnel, Ute Vigo Das Maceiras	HE 75/35	166	Acciona Infraestructuras, FCC Construcción
	High Speed Railway Line Basque Country Railway Tunnel, Ute Aramaio	HE 75/35	116	Acciona Infraestructuras, Viuda De Sainz
	Highway Autovia de la Plata Road Tunnel in Sevilla, Ute Mediafanega	HE 75/35	329	Sacyr, Cavosa
	High Speed Railway Line Madrid, Barcelona/ France Railway Tunnel in Barcelona, Ute Ave Cornella	HE 75/35	262	Sacyr, Cavosa



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