



ABOVE GROUND

SIKAFIBER FORCE PP65 & PP48 & SIKAFIBER PPM 48/19
PROJECT REFERENCES

BUILDING TRUST



SIKA MICRO FIBRE RANGE

MONOFILAMENT

EN 14889-2, Class 1A



- Sika Fibre
- Sika Fibre 180/6
- Sika Fibre 180/12

FIBRILLATED

EN 14889-2, Class 1B



- Sika Confibre 19F
- Sika Confibre 51F

❖ 100% Polyolefin Polymer (Not from recycle materials)

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SIKA MACRO (STRUCTURAL) FIBRE RANGE

Poly fibres EN 14889-2, Class II



- SikaFiber Force PP 48
 - SikaFiber Force PP 55
 - SikaFiber Force PP 65
- ❖ Australian made 100% Polyolefin Polymer
(Not from recycle materials)

APPLICATIONS OF MACRO(STRUCTURAL) FIBRE

1. GROUND SUPPORTED SLABS
2. PRECAST CONCRETE PRODUCTS
3. SHOTCRETE
4. SPOON DRAINS & ROAD KERBS



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SIKA HYBRID FIBRE (MACRO & MICRO BLEND)

- Sika Fiber PPM 48/19



- Premium fibre for plastic stage crack control and replace the traditional reinforcements at the same time
- Specially made for architectural concrete, council footpaths & bikeways

❖ Australian made 100% Polyolefin Polymer
(Not from recycle materials)

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Title of Project:	Toowoomba Range Crossing Project
Location:	Toowoomba QLD
Client/Contractor:	Nexus
Consultant:	TMR
Concrete Supplier:	Boral Concrete
Concrete specification:	S32/20/100
Project Requirements:	Lexibale reinforcement for shotcrete mix
Sika Fibre Solution:	SikFiber PPM48/19 @ 5.75kg/m3
Project Size:	Over 60,000kg used on going



Title of Project:	Factory Floor Slab
Location:	Geebung QLD
Client/Contractor:	Everhard Industries
Consultant:	Wood & Grieve Engineers
Concrete Supplier:	Boral Concrete
Concrete specification:	S32/20/100
Project Requirements:	Replace SL92 top mesh in 210mm slabs
Sika Fibre Solution:	SikFiber Force PP48 @ 5kg/m³
Project Size:	3000m²



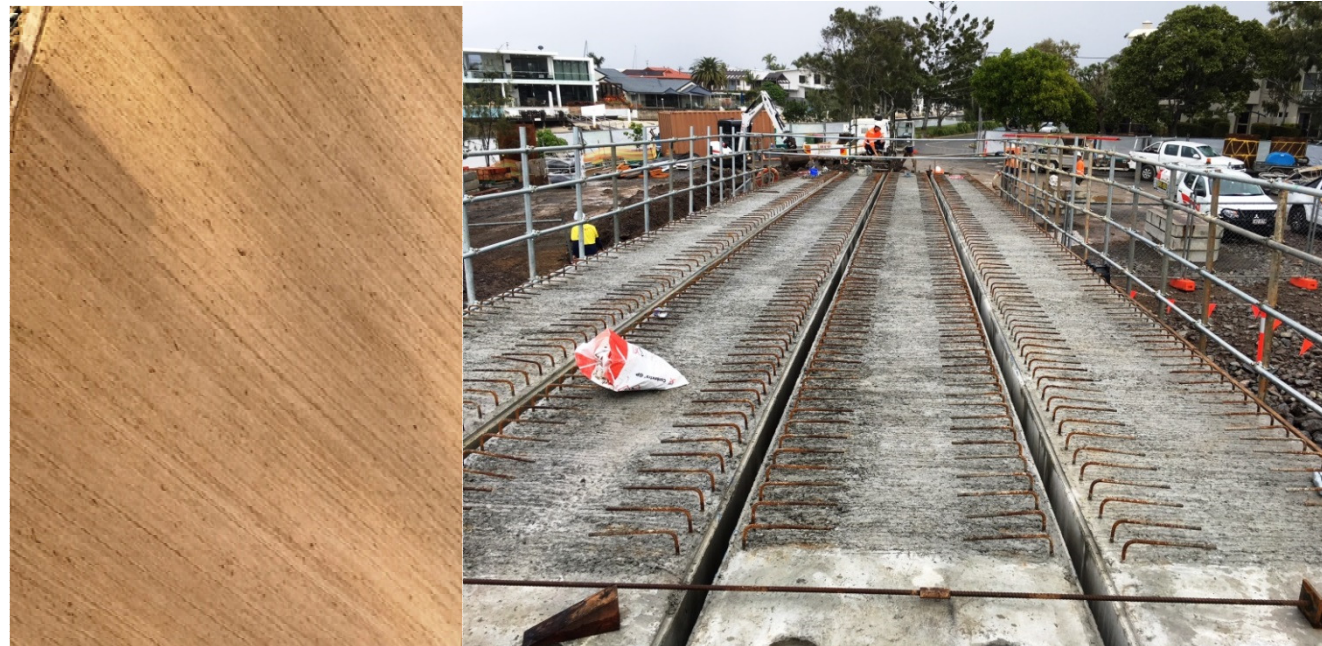
Title of Project:	Mayes Cycle Bridge Infill Slab
Location:	Mooloolaba QLD
Client/Contractor:	Sunshine Coast Council/Alder Constructions
Consultant:	Tod Consulting
Concrete Supplier:	Holcim
Concrete specification:	S32/20/100
Project Requirements:	160mm to 313mm infill 3 slabs of 3m x 20m, no joints
Sika Fibre Solution:	SikFiber PPM 48/19 @ 4.6kg/m³ + Shrinkage control Additives



Title of Project: 20 Ha Greenhouse Tomato Farm
Location: Sundrop Farms South Australia
Client/Contractor: John Holland
Consultant: KBR
Concrete Supplier: Boral Concrete
Concrete specification: S32/20/80
Project Requirements: 12kPa loading, SL92 for 100mm slabs, SL102 for 120-230mm slabs
Sika Fibre Solution: SikFiber Force PP48 @ 8kg/m³ for slabs <120mm thick
SikaFiber Force PP48 @ 6kg/m³ for slabs >120mm thick
Project Size: 10 to 15 Tonnes



Title of Project:	Mayes Canal Cycle Bridge
Location:	Mooloolaba QLD
Client/Contractor:	Sunshine Coast city council/Alder Constructions
Consultant:	Tod Consultancy
Concrete Supplier:	Holcim
Concrete specification:	S40/20/80
Project Requirements:	Coloured concrete broom finished topping slab with varying thickness. Reduce the both plastic and drying shrinkage cracks in architectural concrete
Sika Fibre Solution:	SikFiber PPM 48/19 @ 4.6kg/m³ for slabs >100mm thick
Project Size:	360m²



Title of Project:	School building topping slab in Adelaide
Location:	Adelaide
Client/Contractor:	Sarah constructions
Consultant:	SPC Consulting Engineers
Slab thickness:	50mm
Concrete specification:	N32/20/80
Project Requirements:	Topping on Hollow-core slab
Sika Fibre Solution:	SikaFiber Force PPM 48/19 @ 4.6kg/m3



Title of Project:	Piggery Farm Shelters WA
Location:	Bunbury Western Australia
Client/Contractor:	
Concrete Supplier:	Hanson Concrete
Concrete specification:	S32/14/100
Project Requirements:	Replace SL62 mesh in slabs and walls & reduce the steel corrosion
Sika Fibre Solution:	SikFiber Force PP48 @ 6kg/m³ for slabs & walls
Project Size:	12 Shelters



Title of Project:	Factory Warehouse Floor
Location:	SAQ Precast Bendigo VIC
Client/Contractor:	John Holland
Consultant:	KBR
Concrete Supplier:	SAQ
Concrete specification:	S32/20/80
Project Requirements:	Precast Factory Floor for heavy impact & truck loading
Sika Fibre Solution:	SikFiber Force PP48 @ 5kg/m3 for 150mm slabs



Title of Project:	Long Truck weighbridge
Location:	Marsden Point NZ
Client/Contractor:	Whangarei and Tui Garden Products
Project Requirements:	Replace the steel mesh in heavily loaded slabs
Sika Fibre Solution:	SikaFiber Force PP 48 @ 5kg/m³ a
Slab thickness:	200mm



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Title of Project:	Woodlands Enterprises Pty. Ltd.
Location:	Beerwah QLD
Client/Contractor:	Woodland Construction
Concrete Supplier:	HY-TEC
Concrete specification:	N25/20/80
Project Requirements:	Plastic stage crack control
Sika Fibre Solution:	SikaFiber 600g/m3
Project Size:	70,000m2



Title of Project:	Road Project Capalaba
Location:	Capalaba Brisbane
Client/Contractor:	Redland City Council
Consultant:	NA
Concrete Supplier:	Hymix Concrete
Concrete specification:	S32/20/80
Project Requirements:	Broom finish FRC to reduce plastic stage cracking
Sika Fibre Solution:	Sika Fiber PPM 48/19 4.6kg/m3
Project Size:	1000kg



Title of Project:

Concrete Road

Location:

Napier Round a bout NZ

Project Requirements:

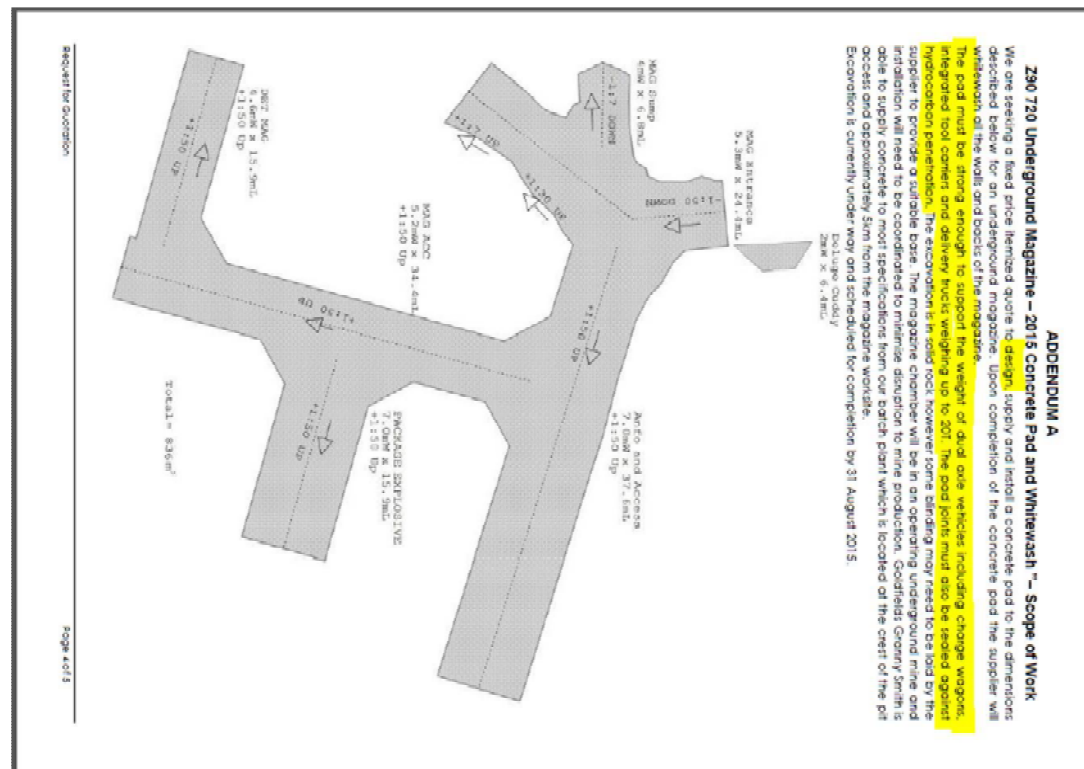
Rustproof, high impact resistance reinforcement

Sika Fibre Solution:

**Hybrid fiber wich consists of SikaFiber Force PP48(Rad47)
22kg/m3 and 0.9kg of Fibrillated micro fibre**



Title of Project:	Concrete Pad for truck loads
Location:	Granny Smith Gold Fields WA
Client/Contractor:	Jetcrete
Concrete Supplier:	Boral Concrete
Concrete specification:	M40/20/80
Project Requirements:	Axial load 15 Tons
Sika Fibre Solution:	SikaFiber Force PP48 @ 7kg/m3
Project Size:	1500kg



Title of Project:	Storm Water Drains
Location:	Bamaga QLD
Client/Contractor:	Northern peninsula area regional council
Consultant:	RECS Consulting Engineers
Concrete Supplier:	Council Concrete Plant
Concrete specification:	N25/20/80
Project Requirements:	Replace the Steel mesh in Broom finish concrete
Sika Fibre Solution:	SikaFiber Force PP 48 5kg/m3
Project Size:	5000kg



Title of Project:	City Tram Line Extension
Location:	Adelaide City
Client/Contractor:	Government of SA/ Downer York JV
Consultant:	AUR
Concrete Supplier:	Hallett Concrete
Concrete specification:	S50/20/180
Project Requirements:	Equivalent post crack performance of SL82 (400mm slab)
Sika Fibre Solution:	SikaFiber Force PP 48 @ 4.0kg/m3 at traffic loop sections
Project Size:	6000kg on going



Title of Project:	Paths surrounding the soccer stadium
Location:	Adelaide
Client/Contractor:	NA
Consultant:	NA
Concrete Supplier:	Hanson Concrete
Concrete specification:	M25/20/80
Project Requirements:	NA
Sika Fibre Solution:	SikaFiber Force PP48 @ 5kg/m3
Project Size:	NA



Title of Project:	Footpaths Adelaide
Location:	Council area
Client/Contractor:	Port Adelaide Council
Consultant:	Council Engineers
Concrete Supplier:	Boral Concrete & Holcim
Concrete specification:	M32/20/80
Project Requirements:	NA
Sika Fibre Solution:	SikaFiber PPM 48/19 @ 4.6kg/m3
Project Size:	On going



Title of Project:

Footpaths of Redland City Council

Location:

Around Redland council area

Client/Contractor:

Local Contractors

Consultant:

Council Engineers

Concrete Supplier:

Hymix Concrete

Concrete specification:

M25/20/80

Project Requirements:

100mm thick concrete slab with SL62 mesh in the center

Sika Fibre Solution:

SikaFiber PPM 48/19 @ 4.6kg/m³ to replace the mesh

Project Size:

On going



Title of Project:	Helipad for NPARC
Location:	Bamaga
Client/Contractor:	Northern peninsula area regional council
Consultant:	RECS Consulting Engineers
Slab thickness:	175mm
Concrete specification:	N32/20/80
Project Requirements:	Poly Fibre Reinforced Concrete
Sika Fibre Solution:	SikaFiber Force PP48 @ 8kg/m3
Project Size:	NA



Title of Project:	Storm water pits, Head walls, kerbs
Location:	Precast Plant Virginia QLD
Client/Contractor:	Everhard Industries
Consultant:	NA
Concrete Supplier:	Boral Concrete
Concrete specification:	S40/10/180
Project Requirements:	Replace SL62 mesh in storm water pits, Head walls & Kerbs
Sika Fibre Solution:	SikaFiber Force PP48 @ 5kg/m3 with minimum reinforcement for base and lifting points
Project Size:	1000kg per month



Title of Project:	Septic Tanks
Location:	Precast Plant Virginia QLD
Client/Contractor:	Everhard Industries
Consultant:	Approved by Australian Standards
Concrete Supplier:	Boral Concrete
Concrete specification:	S40/10/180
Project Requirements:	AS/NZS 1546.1:2008 compliance
Sika Fibre Solution:	SikaFiber Force PP48 @ 6kg/m3 with minimum reinforcement for base and lifting points
Project Size:	2000kg per month



Title of Project:

Location:

Concrete Supplier:

Sika Fibre Solution:

Project Size:

Precast

UDUC Concrete Harvey WA

Hanson Concrete

SikaFiber Force PP48 @ 5kg/m³

On going



Title of Project:	Kerbs , Bump stops, Pavers & Sleepers
Location:	Precast Plant Ipswich QLD
Client/Contractor:	Austwide 200
Consultant:	NA
Concrete Supplier:	Boral Concrete
Concrete specification:	M32/10/80
Project Requirements:	Steel mesh in precast elements
Sika Fibre Solution:	SikaFiber PPM 48/19 @ 2.3kg/m3 to reduce the early stage cracks
Project Size:	60 x 2.3kg boxes per month



Title of Project: Dalrymple Bay Coal Terminal
Location: Mackay QLD
Client/Contractor: Golding Contractors
Consultant: DBCT
Concrete Supplier: Boral Concrete
Concrete specification: S40/20/100
Project Requirements: Replace the steel mesh on ground slabs
Sika Fibre Solution: SikaFiber Force PP48 @ 4kg/m3
Project Size: 1000kg

Client:	Golding Contractors
Project:	Dalrymple Bay Coal Terminal
Specification:	AS1379 Specification & Supply of Concrete DBCT Management: Standard Specification - Concrete

Issue:	Issue No: 2.0 Supersedes: Nil
Date:	16 th July, 2015 Page 1 of 1

Product ID			HS25-10-BS100	FI40-20-BSPOL
Item Code			161107	161097
Mix Code			ZPN25X110A	Z9540F208A
Mix Description			High Slump	Fibremix (Max W:C 0.45)
Plants	-		Mackay	Mackay
Mix Grade	-		N25	S40
Max Aggregate Size	mm		10	20
Target Slump/Spread	mm		100 ± 20	80 ± 15
Cementitious				
Cement Aust - Gladstone	GP	kg	229	315
Cement Aust - Gladstone	FA	kg	76	105
Aggregates				
Cedars Quarry	20mm	kg	-	775
Cedars Quarry	10mm	kg	883	320
Camilleri Quarry	Cse Sand	kg	567	470
Camilleri Quarry	Fine Sand	kg	378	200
Additive				
Radmix - RAD48S	Poly Fibres	kg	-	4.0
			-	-

Title of Project:	Facility Upgrade
Location:	Moss Vale NSW
Client/Contractor:	NA
Consultant:	NA
Concrete Supplier:	Boral Concrete
Concrete specification:	S32/20/80
Project Requirements:	light Industrial traffic
Sika Fibre Solution:	SikaFiber Force PP48 @ 4kg/m3

1. High Quality - Coffs Harbour: PP65 used for council paving and general concreting where possible (5 - 7 kg/m3 pending application), by Coffs Harbour Council.
2. Hanson - Cowra: PP48 used in house slabs and general paving where possible, by local builder Ray Picka (set up by Mick Foskett).
3. Hymix - Berkeley Vale & Kincumber: PP48 used in retirement village alternate housing raft slabs @ 7 kg/m3 in 25MPa concrete.
4. Hymix - Kincumber: PP48 used in 32MPa industrial driveway at concrete pump depot NSW Central Coast.
5. Lake Macquarie council PP48 in paths & cycle ways.
6. DC plumbing & projects PP48 for paving repairs in all One Steel facilities

Shotcrete underground mine project reference

	<u>Mine Name</u>	<u>Product</u>	<u>Application</u>	<u>Location</u>	<u>State</u>	<u>Type of Mine</u>	<u>Mine Owner</u>
1	Sunrise Dam	Rad 65s	Shotcrete for Ground Support	Leverton	Western Australia	Gold	Anglo Gold Ashanti
2	Dugal River	Rad 65s	Shotcrete for Ground Support	Clonclurry	Queensland	Zinc	MMG Limited
3	Kanowna belle	Rad 65s	Shotcrete for Ground Support	Kalgoorlie	Western Australia	Gold	Barrick Gold
4	Raleigh Mine	Rad 65s	Shotcrete for Ground Support	Kalgoorlie	Western Australia	Gold	Barrick Gold
5	Sons of Gwalia	Rad 65s	Shotcrete for Ground Support	Gwalia	Western Australia	Gold & Tantalum	Sons of Gwalia
6	Wallaby/Granny Smith	Rad 65s	Shotcrete for Ground Support	Leverton	Western Australia	Gold	Barrick Gold
7	Darlot Mine	Rad 65s	Shotcrete for Ground Support	Leinstar	Western Australia	Gold	Barrick Gold
8	Mt Wright	Rad 65s	Shotcrete for Ground Support	Mt Wright	Queensland	Gold	Resolute Mining Limited
9	Lady Loretta	Rad 65s	Shotcrete for Ground Support	Mt Isa	Queensland	Silver,Copper,	Xstrata/Glencore
10	George Fisher Mine	Rad 65s	Shotcrete for Ground Support	Mt Isa	Queensland	Silver,Copper,	Xstrata/Glencore
11	Rosebery	Rad 65s	Shotcrete for Ground Support	Rosebery	Tasmania	Polymetallic	MMG Limited
12	Dugal River	Rad 7535	Steel Fibre for Shaft Lining	Clonclurry	Queensland	Zinc	MMG Limited
13	St Ives	Rad 65s	Shotcrete for Ground Support	Kambalda	Western Australia	Gold	Gold Fields, South africa
14	Leonora/Gwalia	Rad 65s	Shotcrete for Ground Support	Leonora	Western Australia	Gold	St Barbara Limited
15	Agnew	Rad 65s	Shotcrete for Ground Support	Agnew	Western Australia	Gold	Gold Fields, South africa
16	Mt Lyle/ Zeehan	Rad 65s	Shotcrete for Ground Support	Zeehan	Tasmania	Copper,gold,silver	Copper Mines of Tasmania (CMT)
17	Jundee Mine	Rad 65s	Shotcrete for Ground Support	Wiluna	Western Australia	Gold	Newmont Mine
18	Prominent Hill	Rad 65s	Shotcrete for Ground Support	Prominent Hill	South Australia	Copper,gold	OZ Mineral
19	Eagle Downs	Rad 65s	Shotcrete for Ground Support	Bowen Basin	Queensland	Coal Mine	Aquila Resources
20	Porgera Gold Mine	Rad 65s	Shotcrete for Ground Support	Porgera	Papua New Guinea	Gold Mine	Barrick Gold
21	Eloise Copper Mine	Rad 65s	Shotcrete for Ground Support	Cloncurry	Queensland	Copper	FMR Investments
22	George Fisher Mine	Rad 65s	Shotcrete for Ground Support	Mt Isa	Queensland	Silver Mine	Xstrata/Glencore