lets's build better world

Add Quality In Your Construction

KDMfiber®

▪ Crack Prevention ▪ Micro Secondary Reinforcement

Available at

UltraTech Building Solutions

FOR CRACK FREE PLASTER / CONCRETE

Very Useful for PCC, RCC, Plasters, Concrete Roads, Industrial Flooring etc.

For CRACK Free Concrete

KDM Fiber 12mm 85g

KDM Fiber 6 mm 60g

For CRACK Free Plaster

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CONMESH® LP/WP

Construction Joints • Gypsum/Plaster Reinforcement • Water Proofing

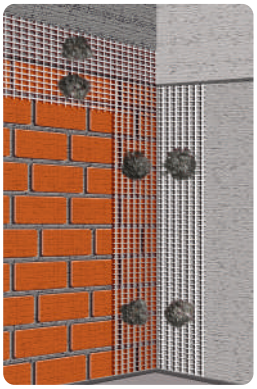
Advance ARACC Technology for Construction Industry

About CONMESH® Products

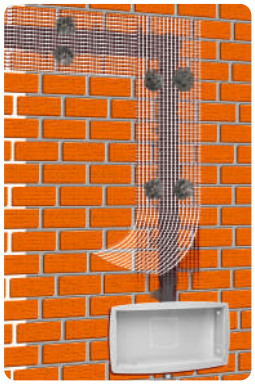
CONMESH® Products are Construction Mesh Fabrics (CMF) manufactured from Glass Yarn and Coated with Speciality Chemicals. CONMESH® is a low weight and high strength Fabrics made with unique Weaving Technology (same as Steel Reinforcement design for RCC) All CONMESH® Products passes through Liquid Bath Process (LBP) to develop Alkali Resistance which is very important for Cement base applications (as Cement is highly alkaline material) CONMESH® Products are Designed and Developed as high strength Wall Joint Plaster mesh resists Shrinking, Tearing, Stretching and Distortion, which lead to Maintenance free, Durable Construction and reduce Life Cycle Cost of Building. CONMESH® Products are recommended and compatible with both Gypsum and Cement Plasters. Construction Members are stressed due to continuous temperature variation and develop cracks with time which increase chance for penetration of ditorious elements in construction and reduce life of construction. CONMESH® LP/WP is an ideal Engineering Material and ideal solution for this because of Flexibility, Tensile Strength and Crack control Properties. Both CONMESH® LP/WP are available in 142 mm x 50 m, 100 mm x 50 m and 1000 mm x 50 m

CONMESH® LP/WP 142 is used where two materials with different coefficient of thermal expansion come together (Joints of RCC, Mansonry etc.)

CONMESH® LP/WP100 is used for Concealed Portion Reinforcement to avoid crack at concealed area and save Maintenance/Repair cost



Cement paste to fix CONMESH® LP/WP



CONMESH® LP/WP 1000 mm is very useful for Plaster / Gypsum Reinforcements, Waterproofing, Repair and Restorations, Concrete Grade Separations, Special Engineering requirements, Tensile Reinforcement etc.

CONMESH® LP/WP products absorbs Tension and forms a flexible yet extremely Tough and Durable layer within Plaster, facilitating adherence to variety of Construction Materials. Unlike Metal or Plastic based alternative (Chicken Mesh) CONMESH® Products does not break down due to Corrosion, Easy to Use, Pliable, Cuts effortlessly and lies flat. CONMESH® Products exceeds all the requirement on Tensile Strength and Resistant to Acid, Salts, Water, Fungus, Bacteria and Alkali. CONMESH® Products come with Alkali Resistance Properties and provide Reinforcement against Impact and Seismic Movements. CONMESH® products are compatible with all Construction Material and Admixtures. One can use with Cement and Gypsum Plasters. No need for Galvanized nail or expert labour to fix CONMESH® products on Surface or Joints. Zero level Plaster is possible with CONMESH® Products which saves Money. CONMESH® Products are Light weight, Flexible and Easy to use (User Friendly). CONMESH® Products come with 3D hologram on attractive Packaging to ensure Original Products.

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कंस्ट्रक्शन के लिए आधुनिक तकनीकी कोनमेश

CONMESH® LP/WP

Construction Joints • Gypsum/Plaster Reinforcement • Water Proofing

कोनमेश क्या हैं? कोनमेश सर्वश्रेष्ठ ARACC तकनिकी से बनाया गया एडवांस तकनिकी कन्स्ट्रक्शन जॉईंटमेश है, जोकी ग्लास यार्न से बनता है। कोनमेश आरसीसी-प्लास्टर जॉईंट एवं पानी की लाईन, इलेक्ट्रीक वायरिंग के कन्सील्ड विस्तारों को मजबूती, टिकाऊपन एवं तणाव सामर्थ्य प्रदान करता है। जिससे संकुचन दरारे, लिकेज, सीपेज एवं मेन्टेनन्स के खर्च से निजात मिलती हैं। महेंगे इंटीरियर डेकोरेशन के रखरखाव एवं बिल्डिंग के मेन्टेनन्स खर्च में बहुत फायदा होता है। कोनमेश LP एवं कोनमेश WP दोनो 142 mmx50m, 100 mmx50m and 1000 mmx50 m साईज में उपलब्ध है।

कोनमेश LP/WP का इस्तेमाल कोनमेश LP/WP 142 को आरसीसी-बांधकाम (मेसनरी) जॉईंट एवं कोनमेश LP/WP 100 को पानी की लाईन एवं इलेक्ट्रिक वायरिंग के कन्सील्ड विस्तारों में लगाया जाता है। कोनमेश LP/WP 142mm एवं 100mm सब तरह के बांधकाम में सब तरह के जॉईंट के लिए तणाव सामर्थ्य बढाने के लिए बेहद जरूरी है। कोनमेश LP/WP 1000mm प्लास्टर/रेनफोर्समेंट, वॉटर प्रुफींग, कॉन्क्रीट ग्रेड सेपरेशन एवं तणाव सामर्थ्य की इंजिनीयरिंग जरूरतों के लिए इस्तेमाल किया जाता है। कोनमेश LP/WP बांधकाम की मजबूती, गुणवत्ता एवं टिकाऊपन बढाता है। मेन्टेनन्स की जरुरत कम करता है। बडा आर्थिक फायदा होता है।


कोनमेश LP/WP1000mm


कोनमेश LP/WP142


कोनमेश LP/WP100

कोनमेश के फायदे कोनमेश LP/WP ARACC तकनिकी से निर्मित एवं ग्लास यार्न से बना उच्च तणाव सामर्थ्य वाला कन्स्ट्रक्शन मेश फेब्रीक (CMF) है। यह बांधकाम की गुणवत्ता, मजबुती एवं टिकाऊपन को बढाता है। बांधकाम को सालों साल रिपेयर एवं मेन्टेनन्स के खर्च से बचाकर नया जैसा रखने में सहायक होता है। कोनमेश LP/WP के उच्च तणाव सामर्थ्य एवं खास प्रकार की विवींग तकनिकी की वजह से तणाव एवं भार सब दिशा में वितरित हो जाता है। कोनमेश LP/WP प्लास्टर में सोफ्ट स्टील के जैसा कार्य करता है। कोनमेश LP/WP आग प्रतिरोधक है। ARACC तकनिकी से निर्मित कोनमेश एलपी आल्कली, तेजाब, रसायन, फंगस के लिए प्रतिरोधक है। दिमक का बांधकाम में प्रवेश रोकता है। कोनमेश एलपी का उपयोग अत्यंत आसान है। सिमेंट पेस्ट से लगाया जा सकता है। जीरो लेवल प्लास्टर संभव है। महेंगे मोर्टार कि बचत होती है । आसानी से मोडा-काटा जा सकता है। और सब तरह के बांधकाम सामग्री के साथ उपयोग में लाया जा सकता है। कोनमेश एलपी 3D होलोग्राम के साथ उपलब्ध हैं। जिससे ओरिजिनल उत्पाद की पहचान आसान होती है।

कोनमेश LP/WP की उपलब्धता : 100 mm X 50 m, 142 mm X 50 m, 1000 mm X 50 m साईज में आर्कषक पेकींग के साथ उपलब्ध है। एक्सपोर्ट के लिए विशेष पेकेजींग उपलब्ध है।

अधिकृत विक्रेता

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Advance Technology for Construction Industry

KDMfiber®

▪ Crack Prevention ▪ Micro Secondary Reinforcement

KDMFIBER 6MM (60gm) FOR PLASTER

KDMFIBER 12MM (85gm) FOR RCC

FOR CRACK FREE PLASTER / CONCRETE

Very Useful for PCC, RCC, Plasters, Concrete Roads, Industrial Flooring etc.

ABOUT KDMFIBER®

KDMFIBER® are Micro Glass Fibers with Engineering Properties. Milions of Glass Fibers uniformly disperse in every part of Concrete / Mortar (in all three dimensions) and develop Micro Secondary Reinforcement (MSR) making Plaster / Concrete Crack Free. Enhance resistance to Cracks, Impact and Abrasion. Increases Quality, Durability and Service life of Construction.

APPLICATION OF KDMFIBER®

- KDMFIBER® 12mm : All type of RCC, PCC, Concrete Road, Industrial Floorings, Precast Industry, Industrial Applications for MSR etc.
- KDMFIBER® 6mm : For Plaster and Other Cement base Construction Applications.

ADVANTAGES OF KDMFIBER®

- KDMFIBER® prevents Micro Shrinkage Cracks, making the Concrete / Plaster inherently stronger. Millions of Fiber support Concrete / Mortar in all dimensions and provide Micro Secondary Reinforcement (MSR).
- KDMFIBER® dispersed uniformly throughout Cement, Aggregate mix, ensure better binding and anchoring of Concrete / Mortar
- KDMFIBER® increase Tensile strength and Flexural Toughness of Concrete / Mortar and make it stronger for the thermal expansion / contraction and reduce chances of Cracks
- KDMFIBER® protects sharp edges and corners of Plaster from damages during Plastic Stage of Mortar
- KDMFIBER® reduces permeability which help to prevent corrosion of steel and increase Durability of Building
- KDMFIBER® reduce chances of leakage, seepage and dampness hence saving in maintenance cost and safe guard costly interior work big saving in construction cost
- KDMFIBER® provides significant improvement in Tensile Strength and Abrasion Resistance and make RCC / PCC Road Durable and Maintenance Free
- KDMFIBER® is compatible with all type of Concrete materials and Admixtures. KDMFIBER® is virtually invisible on the finished surface.
- KDMFIBER® is a user friendly product easy to use and safe to handle at construction site.
- KDMFIBER® increase Quality, Durability and Service life of Construction

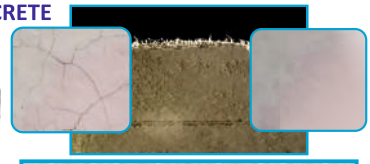
Availability : 6mm 60 gm Pouch, 12mm 85 gm Pouch 12mm 600 gm Pouch, 20kg Bags, Special size (24mm) and Packaging Available for Bulk use and Export

INSTRUCTIONS FOR USE :

- For RCC : Use one Pouch KDMFIBER 12mm with one bag (50kg) of Cement. 600g Pouch for 1m^3 of Concrete for RMC Applications.
- For Plaster : Use one Pouch KDMFIBER 6mm (60gm) with one bag (50kg) of Cement.
- After achieving consistent mix in mixer add KDMFIBER let it rotate for 2 minutes to get uniform dispersion.
- Higher dosage will result in better mechanical properties. Follow instruction of Civil engineer. • Read Brochure carefully before use.

FOR CRACK FREE PLASTER / CONCRETE

MSR TECHNOLOGY



REINFORCEMENT TECHNOLOGY KDMFIBER®

KDMFIBER® IMPROVES QUALITY, DURABILITY AND SERVICE LIFE OF CONSTRUCTIONS

- CRACK REDUCTION UPTO 78%
- WATER PERMEABILITY REDUCED BY ALMOST 50%
- REBOUND LOSS REDUCED BY 47%
- STRENGTH INCREASE BY 15%

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क्रैक फ्री कंस्ट्रक्शन के लिए आधुनिक तकनिकी KDM® फाइबर

KDMFIBER 6MM (60gm) प्लास्टर के लिए

KDMFIBER 12MM (85gm) कॉन्क्रीट के लिए

सभी प्रकार के बांधकाम RCC, PCC, प्लास्टर, कॉन्क्रीट रोड, इंडस्ट्रियल फ्लोरिंग के लिए

KDMFIBER® के फायदे : KDMFIBER® संकुचन दरारोंकी रोकथाम करते हुए कॉन्क्रीट /मोर्टार को आंतरिक रूप से मजबूत बनाता है । लाखों कि संख्या में KDMFIBER® कॉन्क्रीट/मोर्टार को सभी आयामों में सपोर्ट करते है और कॉन्क्रीट को अतिरिक्त मजबूती (माइक्रो सेकेंडरी रेनफोर्समेंट) प्रदान करते है। KDMFIBER® सीमेंट, एग्रीगेट के मिश्रण में आसानी से मिल जाता है और कॉन्क्रीट कि बेहेतर मजबूती एवं गुणवत्ता को सुनिश्चित करता है। KDMFIBER® कॉन्क्रीट कि तनाव सामर्थ्य, आंतरिक मजबूती बढाता है , एवं संकुचन - विस्तारण प्रक्रिया के कारण बनने वाली दरारों कि रोकथाम करता है। KDMFIBER® पानी के लिकेज को रोकता है, जो रेनफोर्समेंट स्टीलबार (सलिए) को जंग लगने से बचाता है और इमारत को सालो साल मजबूत बनाये रखता है। KDMFIBER® प्लास्टर के दौरान मोर्टार का गिरना (Rebound Loss) रोकता है, जिससे लेबर एवं मटेरियल खर्च में बड़ी बचत होती है।

KDMFIBER® मोर्टार कि शरुवाती अवस्था के दौरान नुकीले किनारों एवं कोनों कि सुरक्षा करता है। प्लास्टर सुंदर दीखता है। KDMFIBER® सीमेंट मोर्टार कि शुरुवाती तनाव सामर्थ्य में महत्वपूर्ण वृध्दि करता है एवं घर्षण प्रतिरोध को बढाता है KDMFIBER® पानी के लिकेज, रिसाव, सीलन और नमी को कम करने के साथ साथ इमारत कि मैंटेनैन्स खर्च में बड़ी बचत करता है, मेहँगे इंटीरियर डेकोरेशन को नुकसान से बचाता है। KDMFIBER® कॉन्क्रीट कि शुरुवात कि अवस्था में बनने वाली संकोचन दरारे रोकता है। KDMFIBER® सभी प्रकार के सीमेंट मटेरियल, एड्मिक्षर आदि के साथ उपयोग किया जा सकता है । KDMFIBER® इस्तेमाल करने एवं संग्रह करने में आसान है यह यूजर फ्रेंडली उत्पाद है। सभी अच्छी गुणवत्ता बांधकाम में KDMFIBER® उपयोग होना चाहिए।

उपलब्धता : 6mm 60gm पाऊच, 12mm 85gm पाऊच, 12mm 600gm पाऊच, 20kg बैग्स, स्पेशल साईज (24mm) और पैकेजिंग एक्सपोर्ट के लिए उपलब्ध है ।


कॉन्क्रीट


प्लास्टर


इंडस्ट्रीयल फ्लोरिंग


आर सी सी रोड


मेन्युअल मिक्सिंग


मशीन मिक्सिंग

दरारों कि रोकथाम करते हुए KDMFIBER® बांधकाम की क्वालिटी एवं मजबूती बढाता है । बांधकाम एवं मैंटेनेंस के खर्च में बचत करता है ।

- दरारे 78% तक कम होती है ।
- लीकेज कि संभावना 50% तक घटती है ।
- प्लास्टर के दरम्यान रिबाउंड लोस 47% कम होता है ।
- मजबूती 15% तक बढती है ।

इस्तेमाल करने के निर्देश : प्लास्टर के लिए एक बैग सीमेंट (50kg) के साथ एक पाऊच KDMFIBER® 6mm (60g) इस्तेमाल करे । RCC के लिए एक बैग सीमेंट (50kg) के साथ एक पाऊच KDMFIBER® 12mm (85g) इस्तेमाल करे । RMC के प्रति $1m^3$ कॉंक्रीट 600g पाऊच इस्तेमाल करे । मिक्सर मशीन में सीमेंट, एग्रीगेट को अच्छे से मिलाने के बाद इस मिश्रण में KDMFIBER® मिलाइए और इसे समान रूप से मिश्रित होने के लिए २ मिनट तक मिक्सर मशीन में घुमाइये । बेहतर परिणाम के लिए ज्यादा मात्रा में उपयोग करे । इंजिनियर कि सुचनाओं का पालन करे उपयोग से पहले सुचनाए ध्यान से पढ़े ।

Authorised Dealer

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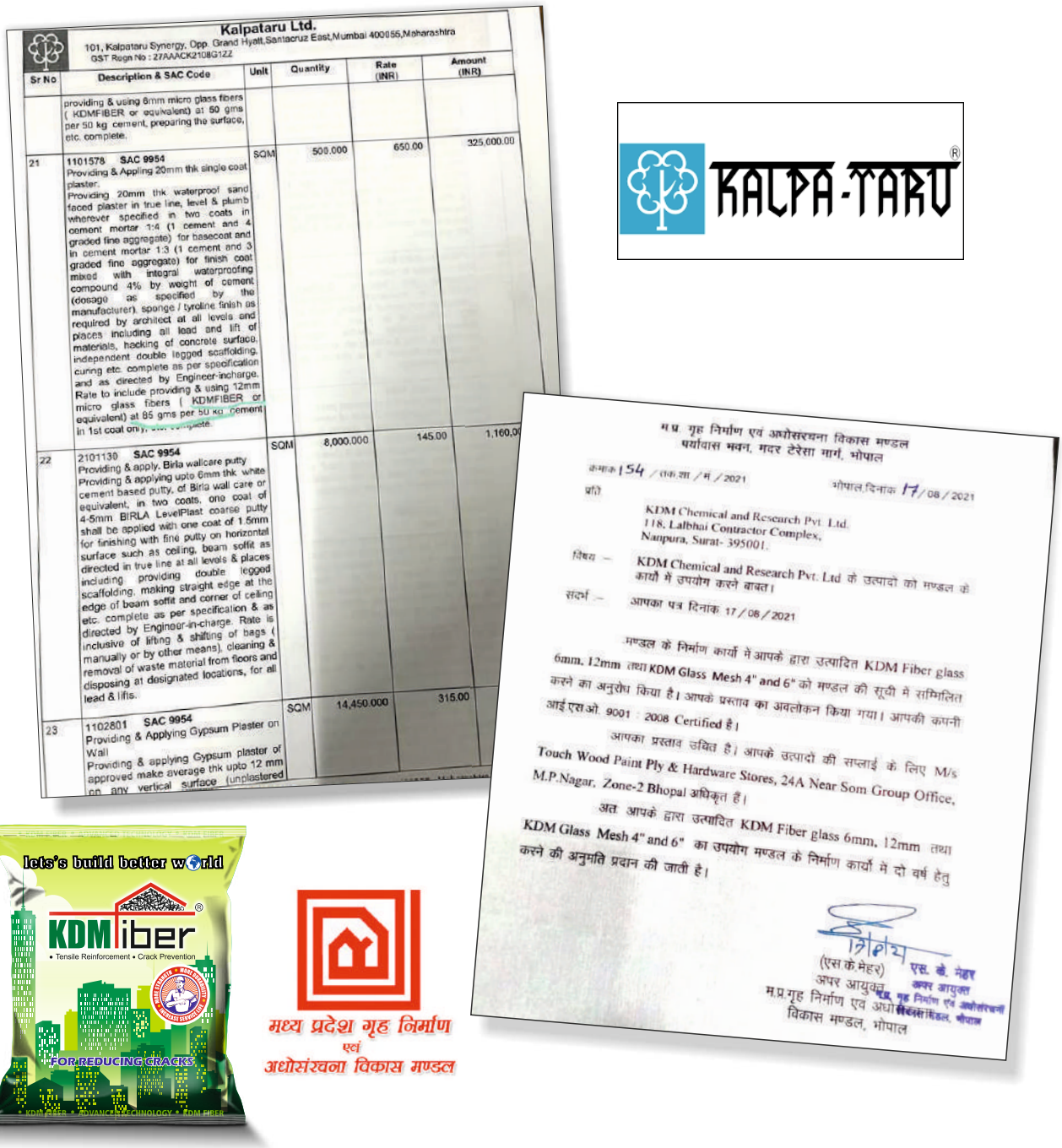
KDM fiber®

Tested and Approved by many Government, National and International laboratories



Kalpataru Ltd.
101, Kalpataru Synergy, Opp. Grand Hyatt,Santacruz East,Mumbai 400055,Maharashtra
GST Regn No : 27AAACK2108G1ZZ

Sr No	Description & SAC Code	Unit	Quantity	Rate (INR)	Amount (INR)
	providing & using 6mm micro glass fibers (KDMFIBER or equivalent) at 50 gms per 50 kg cement, preparing the surface, etc. complete.				
21	1101578 SAC 9954 Providing & Appling 20mm thk single coat plaster. Providing 20mm thk waterproof sand faced plaster in true line, level & plumb wherever specified in two coats in cement mortar 1:4 (1 cement and 4 graded fine aggregate) for basecoat and in cement mortar 1:3 (1 cement and 3 graded fine aggregate) for finish coat mixed with integral waterproofing compound 4% by weight of cement (dosage as specified by the manufacturer), sponge / tyroline finish as required by architect at all levels and places including all lead and lift of materials, hacking of concrete surface, independent double legged scaffolding, curing etc. complete as per specification and as directed by Engineer-incharge. Rate to include providing & using 12mm micro glass fibers (KDMFIBER or equivalent) at 85 gms per 50 kg cement in 1st coat only, etc. complete.	SQM	500.000	650.00	325,000.00
22	2101130 SAC 9954 Providing & apply, Birla wallcare putty Providing & applying upto 6mm thk white cement based putty, of Birla wall care or equivalent, in two coats, one coat of 4-5mm BIRLA LevelPlast coarse putty shall be applied with one coat of 1.5mm for finishing with fine putty on horizontal surface such as ceiling, beam soffit as directed in true line at all levels & places including providing double legged scaffolding, making straight edge at the edge of beam soffit and corner of ceiling etc. complete as per specification & as directed by Engineer-in-charge. Rate is inclusive of lifting & shifting of bags (manually or by other means), cleaning & removal of waste material from floors and disposing at designated locations, for all lead & lifts.	SQM	8,000.000	145.00	1,160,00
23	1102801 SAC 9954 Providing & Applying Gypsum Plaster on Wall Providing & applying Gypsum plaster of approved make average thk upto 12 mm on any vertical surface (unplastered	SQM	14,450.000	315.00	

KALPA-TARU®

मध्य प्रदेश गृह निर्माण एवं अधोसंरचना विकास मण्डल
पर्यावास भवन, मदर टेरेसा मार्ग, भोपाल

क्रमांक 154 / एम.एस. / मं / 2021 भोपाल,दिनांक 17 / 08 / 2021

प्रति,
KDM Chemical and Research Pvt. Ltd.
118, Lalbhai Contractor Complex,
Nanpura, Surat- 395001.

विषय – KDM Chemical and Research Pvt. Ltd के उत्पादो को मण्डल के कार्यो में उपयोग करने बाबत।

संदर्भ – आपका पत्र दिनांक 17 / 08 / 2021

मण्डल के निर्माण कार्यो में आपके द्वारा उत्पादित KDM Fiber glass 6mm, 12mm तथा KDM Glass Mesh 4" and 6" को मण्डल की सूची में सम्मिलित करने का अनुरोध किया है। आपके प्रस्ताव का अवलोकन किया गया। आपकी कंपनी आई एस.ओ. 9001 : 2008 Certified है।

आपका प्रस्ताव उचित है। आपके उत्पादो की सप्लाई के लिए M/s Touch Wood Paint Ply & Hardware Stores, 24A Near Som Group Office, M.P.Nagar, Zone-2 Bhopal अधिकृत हैं।

अतः आपके द्वारा उत्पादित KDM Fiber glass 6mm, 12mm तथा KDM Glass Mesh 4" and 6" का उपयोग मण्डल के निर्माण कार्यो में दो वर्ष हेतु करने की अनुमति प्रदान की जाती है।

(एस.के.मेहर)
अपर आयुक्त
म.प्र.गृह निर्माण एवं अधोसंरचना विकास मण्डल, भोपाल

एस. के. मेहर
अपर आयुक्त
म.प्र. गृह निर्माण एवं अधोसंरचना विकास मण्डल, भोपाल

मध्य प्रदेश गृह निर्माण एवं अधोसंरचना विकास मण्डल

27	KDM Fiber glass 6mm, 12mm & KDM Glass Mesh 4" and 6"	KDM Chemical and Research Pvt. Ltd. 118, Lalbhai Contractor Complex, Nanpura, Surat- 395001.	No. 103	21/10/2021	20/10/2023	For 2 years

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Sr. No. 1648

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E-mail : ed@sasmira.org • testing@sasmira.org • Web : www.sasmira.org

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(Accredited by National Accreditation Board for Testing & Calibration Laboratories, NABL, INDIA)

TEST REPORT

ULR - TC650018000000009F

Test Repor

Name & A

Sample F

Date of R

Particula

NABL

National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

CERTIFICATE OF ACCREDITATION

BUREAU VERITAS (INDIA) PVT. LTD.- CONSTRUCTION SERVICES LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Plot B3/B4, TTC Industrial Area, Off Thane- Belapur Road, M. I. D. C., Digha, Navi Mumbai

in the discipline of

CHEMICAL TESTING

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Certificate Number T-2521

15/04/2013

Valid Until 14/04/2015

e remains valid for the Scope of Accreditation as specified in the annexure subject to isfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

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THE BOMBAY TEXTILE RESEARCH ASSOCIATION

LAL BAHADUR SHASTRI MARG, GHATKOPAR (WEST), MUMBAI - 400 086.
Phones : 022 - 2500 1811 / 022 - 25003651 / 2652 / 2117 / 1119 / 1135
Fax : 91-22-2500 0459 Email : btloffice@btraindia.com / info@btraindia.com
Website: www.btraindia.com

BTRA TEST LABORATORIES

TEST REPORT

TEST RESULTS

TEST PARAMETER	RESULTS	METHOD OF TEST
Tensile Strength, (N)	-	IS:1969:Pt.1:2014
Direction 1	539	
Direction 2	960	
Elongation, (%)	-	
Direction 1	2.40	
Direction 2	1.64	

प्रयोगशालाएँ
वस्त्र समिति
वस्त्र मंत्रालय, भारत सरकार
वस्त्र प्रयोगशाला एवं अनुसंधान केंद्र
पी.बालु रोड, प्रभादेवी चौक,
प्रभादेवी, मुंबई - 400 025

Certificate No. :
T - 0005 &
T - 0288

LABORATORIES
TEXTILES COMMITTEE
Ministry of Textiles, Government of India
Textile Laboratory & Research Centre
P. Balu Road, Prabhadevi Chowk,
Prabhadevi, Mumbai-400 025.
Tel. : + 91-22-6652 7541 / 545 / 550 Fax : +91-22-6652 7554
E-mail : dlab.tc@nic.in / tclabmumbai@gmail.com Website : www.textilescommittee.nic.in

TEST RESULTS

Sample Mark	--
Laboratory Sample No.	0111031617-5083

1	Breaking Strength by Ravelled Strip Method ((IS:1969:85 RA 2006) (5 x 20) cm (N))	
	One direction	465.8 (N)
	Other direction	759.1 (N)

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LENGTH CHANGE OF HARDENED CONCRETE TEST RESULTS

SAMPLE ID MARK : WITHOUT KDM FIBRE
SOURCE OF SAMPLE : NA
SIZE OF SPECIMEN (mm) : 280*25*25
DATE OF CASTING : 28/04/2014
• SHRINKAGE TEST :
STORAGE CONDITION : Air Storage
PERIOD OF TESTING : 29/04/2014 To 26/05/2014
AGE OF SPECIMENS (Days : 28

Sr No	Specimen ID	Gauge Length, mm	Initial CRD at the Age of 1 Days, mm	Final CRD at the Age of 28 Days, mm	Length Change of Specimen at The Age of 28 Days, (%)	Remarks : Change in length
1	WITHOUT KDM FIBRE	281.8	0.74	0.781	0.015	Length Decreased
2	WITHOUT KDM FIBRE	281.0	0.76	0.809	0.017	Length Decreased
3	WITHOUT KDM FIBRE	281.1	0.71	0.755	0.016	Length Decreased
				Average, %	0.0160	

SAMPLE ID MARK : WITH KDM FIBRE
SOURCE OF SAMPLE : NA
SIZE OF SPECIMEN (mm) : 280*25*25
DATE OF CASTING : 28/04/2014
• SHRINKAGE TEST :
STORAGE CONDITION : Air Storage
PERIOD OF TESTING : 29/04/2014 To 26/05/2014
AGE OF SPECIMENS (Days : 28

Sr No	Specimen ID	Gauge Length, mm	Initial CRD at the Age of Days, mm	Final CRD at the Age of Days, mm	Length Change of Specimen at The Age of Days, (%)	Remarks : Change in length
1	WITH KDM FIBRE	281.3	1.66	1.684	0.008	Length Decreased
2	WITH KDM FIBRE	280.5	1.68	1.698	0.008	Length Decreased
3	WITH KDM FIBRE	280.7	1.68	1.699	0.007	Length Decreased
				Average, %	0.007	

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Sr. No.	Test	ID Mark	Total Weight of Plaster Applied on Wall (Kg)	Weigh of Rebound Loss Plaster (Kg)	Rebound Loss (%)	Remarks
1	Plaster Rebound Loss Test	Normal Plaster	48.148	10.962	22.8%	43 % Reduction in Rebound Loss By using 6mm KDM Fiber
2	Plaster Rebound Loss Test	Plaster With 6 mm KDM Fiber , Dosage : 60gm/50 Kg cement	41.800	5.415	13.0%	

MORTAR CUBE COMPRESSIVE STRENGTH TEST RESULTS

Cube Size (mm) : 50*50*50
Cement Sand Ratio : 1 : 4
Workability (Flow) mm : 207

Date of Casting : 12-01-15
Date of Testing : 09-02-15
Water Cement Ratio : 0.76

Sr No	ID Mark of Specimen	Age of Specimen (Days)	Dimension of Specimen, mm		Cross-Sectional Area, mm^2	Maximum Load, (KN)	Crushing Strength, N/mm^2	Crushing Strength, Kg/cm^2
			Length	width				
1	Without KDM Fiber	28	50.2	50.2	2516.8	52.1	20.7	211
2		28	50.1	50.2	2516.4	51.9	20.6	210
3		28	50.2	50.2	2517.3	50.4	20.0	204
					Average Value =		**20.4**	**208**

Cube Size (mm) : 50*50*50
Cement Sand Ratio : 1 : 4
Workability (Flow) mm : 204

Date of Casting : 12-01-15
Date of Testing : 09-02-15
Water Cement Ratio : 0.79

Sr No	ID Mark of Specimen	Age of Specimen (Days)	Dimension of Specimen, mm		Cross-Sectional Area, mm^2	Maximum Load, (KN)	Crushing Strength, N/mm^2	Crushing Strength, Kg/cm^2
			Length	width				
1	With KDM Fiber (12mm- dose 85gm / 50Kg of Cement)	28	50.2	50.1	2515.5	54.2	21.5	220
2		28	50.2	50.1	2516.0	53.2	21.1	215
		28	50.2	50.1	2515.8	55.1	21.9	223
					Average Value =		**21.5**	**219**

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REPORT ON COMPARITIVE TESTING OF KDM FIBRE

Ref : BVIPL : CMD : 25941C/153/10/2013 Date : 19.12.2013

Test Order dated 19.10.2013

Customer Name : KDM Chemicals and Research Pvt Ltd
117, 118 Lalbhai Contractor complex,
Nanpura, Surat – 395001.

Customer Reference : Letter dt.16.10.2013

1. INTRODUCTION

The request is made by M/s **KDM Chemicals and Research Pvt Ltd** vide their letter dated 16.10.2013 for comparative testing of KDM Fiber. It is requested to compare the test parameter for concrete Grade M-30. The ingredients and mix proportions for concrete Grade M-30 is as below.

Source of Cement	: J.K.Laxmi OPC 53 Grade
Source of Coarse Aggregate	: sawad Village quarry.
Source of Fine Aggregate (R.sand)	: Vaitarna
Source of Fine Aggregate (C.sand)	: sawad Village quarry.
Source of Admixture	: BDR PC 45
Source/ Type of fiber*	: KDM Chemicals / KDMFFIBER
Period of Test	: 13.11.2013 Onwards
Technical Reference	: IS:1199-1959 RA 2008, IS:516 -1959 RA 2008, IS: 10262 - 2009.

The trial conducted on materials and the properties of hardened concrete as water permeability is observed for trials with and without fibers.

Grade - M-30

PROPERTIES OF MIX	Control Mix	Mix with KDM Fiber
Water Permeability (Avg. Depth of Penetration in mm)	18.33	7

* As furnished by the customer.

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.

For BUREAU VERITAS INDIA PRIAVE LIMITED

Dinesh Burde
Authorised Signatory

Checked By

CONC/W324-3

Grade - M-30

PROPERTIES OF MIX	Control Mix	Mix with KDM Fiber
7 days Avg. Compressive Strength (N/mm²)	41.10	42.0
28 days Avg. Compressive Strength (N/mm²)	53.80	56.07

Grade - M-30

PROPERTIES OF MIX	Control Mix	Mix with KDM Fiber
7 days Avg. Flexural Strength (N/mm²)	3.98	4.16
28 days Avg. Flexural Strength (N/mm²)	4.75	4.85

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NOMENCLATURE FOR SPECIFICATIONS IN TENDERS AND BOQ'S

1) **KDMFIBER• FOR CONCRETE**

FOR ALL CONCRETE WORK, RCC WORK LIKE TOP SLAB, PCC/RCC ROAD, PODIUM SLAB AND SPECIAL CONCRETE LIKE INDUSTRIAL FLOORING etc.

GLASS FIBERS (KDMFIBER MAKE) OF 12MM LENGTH SHALL BE HOMOGENEOUSLY MIXED WITH CONCRETE @ 85 GM / 50 KG WEIGHT OF CEMENT OR 600 GM / QUBIC METER OF CONCERETE FOR RMC APPLICATIONS.

2) **KDMFIBER• FOR PLASTER**

FOR OUTSIDE PLASTER AND ALL CONCRETE WORK, PLASTER WORK: GLASS FIBERS (KDMFIBER MAKE) OF 6 MM SHALL BE HOMOGENEOUSLY MIXED WITH MORTAR @ 60 GM / 50 KG WEIGHT OF CEMENT

3) **CONMESH• LP/WP 142 MM FOR JOINTS**

BETWEEN AI JUNCTIONS OF COLUMNS / BEAMS / (RCC MEMBERS) AND MASONARY WALLS 142 MM WIDTH CONMESH• LP/WP 142 MM (KDM MAKE) MADE FROM GLASS YARN SHOULD BE FIXED WITH CEMENT PAS E BEFORE PLASTERING THE JUNCTIONS.

4) **CONMESH• LP/WP 100 MM FOR CONCEALED AREA**
(FOR WATER PIPE AND ELECTRIC WIRE)
FOR ALL CONCEALED AREAS OF WALL CONMESH• LP/WP 100 MM (KDM MAKE) MADE FROM GLASS YARN SHOULD BE FIXED WITH CEMENT PLASTER BEFORE PLASTERING THE MASONRY AREA.

5) **CONMESH• WP 1000 MM**
FOR ALL TYPE OF WATERPROOFING WORK

6) **KDMFIBER 24MM 900GM**
FOR EVERY CUBIC METER OF CONCRETE FOR PQC APPLICATION

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makes them crack free, durable and maintenance free!!

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