

NEW MATERIALS /TECHNIQUES/EQUIPMENT ACCREDITED BY IRC

The Committee for Accreditation of New Materials and Techniques formed under the aegis of Highway Research Board of Indian Roads Congress to accredit patented or new materials / techniques, developed in India / abroad and evaluated as per recognized National / International Specifications has accredited the following new materials/techniques for a period of 2 years for being used on trial basis:

| Sl. No. | Name of the New Material/Techniques | Usage | Date of issue of Accreditation Certificate | Contact Address of Manufacturer/Promoter | Phone |
|---------|--|---|---|--|--|
| 1 | Wacker BS® Drysoil | Acts as a water repellent in cohesive and inferior soils | 14-Feb-2008 | Wacker Metrorak Chemicals Pvt. Ltd., 505 & 507, Antriksh Bhawan, 22, Kasturba Gandhi Marg, NEW DELHI-110001 | 011-23322565/6/7 011-5530 5166 (F) |
| 2 | RBI Grade 81 - Soil Stabilizer | For improving the engineering properties of soil | 21-Nov-2008 | Legend Surface Developers Pvt. Ltd., Plot 12 & 13, Sector 6, MIT, Manesher GURGAON – 122 050 | |
| 3 | Recron 3 S - Synthetic Triangular Fibre | Synthetic triangular fibres to improve engineering properties of concrete | 21-Nov-2008 | Reliance Industries Limited, 18th Floor, Amba Deep, 14, Kasturba Gandhi Marg, NEW DELHI – 110 001 | 011-43522321/23 (O) 011-43522316/ 40 (F) |
| 4 | Zycosoil Nanotechnology | Anti-strip additive in hot mix binder and Soil & aggregate waterproofing | 21-Nov-2008 Renewed on 25-July-2011 | Zydex Industries, 25A Gandhi Oil Mill Compound, Gorwa, VADODARA-390 016 | + 91 265 2290322 + 91 265 2290332(F) |
| 5 | SoilFix – Bound Pavement Stabiliser (HTR365) | For stabilization of sub-base and base course layers for road pavement | 25-Nov-2008 | Infrastructure Technologies Limited (Romix Far East Limited), W101/6, Anupam Gardens, Lane #6, Sainik Farm, Neb-Sarai, NEW DELHI – 110 068 | 011-2953 2592 011-2953 2592 (F) |
| 6 | Imperial Smelting Furnace (ISF) Slag | As fine and coarse aggregates & as filler for road embankment | 08-Dec-2008 | Hindustan Zinc Ltd., Chanderiya Lead Zinc Smelter, P.O. PUTHOLI – 312 021 Distt. Chittorgah, Rajasthan | 01472-256220 (O) 01472-255941 (F) |
| 7 | Metallurgical Slag (Waelz Kiln Slag) | Used in embankment, sub-base and bituminous/concrete pavement | 08-Dec-2008 | Hindustan Zinc Limited, Zinc Smelter, Debari, UDAIPUR – 313 024 | 0294-2657387 0294-2657388 0294-2655147 (F) |

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| 8 | Renolith Based Technology | A polymer based formulated product which when mixed with cement and soil, sets to a hard concrete like structure with high compressive strength alongwith good flexibility and low water absorption | 10-Dec-2008 | Khopoli Polymer Products, A-209, Sanjay Bldg. No. 3, Mittal Industrial Estate, Andheri-Kurla Road, Andheri (East), MUMBAI – 400 059 | 022-2859 0181 022-6585 3127 022-6691 6826 (F) |
| 9 | Woven Jute Geotextiles | To improve properties of subgrade of roads and hill slopes | 27-Jul-2009 | Gloster Jute Mills Limited, 21, Strand Road, KOLKATA – 700 001 | 033-22309601 to 04 033-22314222 (F) 033-22106167 (F) |
| 10 | Asphaltoseal | On concrete decks for waterproofing purpose in lieu of mastic asphalt under BC overlay | 29-Jul-2009 Renewed on 22-Mar-2012 | M/s. Tiki Tar Industries (Baroda) Limited 8th Floor, Neptune Tower Productivity Road VADODARA – 390 007 (Gujarat) | 022-25667831-36 022-25667830 (F) |
| 11 | Diamond Grade Cubed Reflecting Sheeting – DG ³ | Reflective sheeting | 29-Jul-2009 | 3M India Limited, 2F-M6, Uppal Plaza, Jasola District Centre, Jasola, NEW DELHI – 110 076 | 011-40576201/2/3 011-40576204 (F) |
| 12 | Cold Applied Reflective Road Marking Paint | Reflective road marking paint | 30-Jul-2009 | Innovative Reflectors (P) Ltd., 46 TVK Street, Thilager Nagar, KARAIKUDI – 630 002 Tamil Nadu | 4565-226817 4565-228792 4565-225382 (F) |
| 13 | ARRB Australia Make Handheld Roughometer-II | For measuring roughness values of pavements | 30-Jul-2009 | | |
| 14 | Pavement Quality Indicator PQI-301 (Non-Nuclear) TRANSTECH, USA Make | For measuring density readings of newly-laid asphalt pavements | 03-Aug-2009 | Taisei International "Taisei House", No. H-84, Plot 1421, 13th Main Road, Annanagar CHENNAI – 600 040 | 044-26163830 044-26162877 |
| 15 | Delta Denmark Make Retro Sign GR3 Retroreflectometer | For measuring retro-reflectivity of road signages | 07-Jun-2010 | | |
| 16 | Delta Denmark Make LTL XL Retroreflectometer | For measuring retro-reflectivity of pavement markings | 07-Jun-2010 | | |
| 17 | Granulated Copper Slag | For road and embankment construction | 03-Aug-2009 | Sterlite Industries (I) Ltd., BALCO, Core-6, 2nd Floor, Scope Office Complex, 7, Lodhi Road, NEW DELHI – 110 003 | 011-2436 6653 011-2436 00091 011-2436 1137 011-2436 6023 (F) |
| 18 | Consolid System | For stabilisation of sub base/base courses and in embankment | 04-Aug-2009 | Grace & Sachi Asia Pacific Pte. Ltd. 1, Bukit Batok Street 25, #06-15, SINGAPORE – 658882 | 65-65670119 (T/F) 65-96702884 |

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| 19 | Evercrete® - DPS | Concrete preserver and water proofing product, spray applied to concrete and cementations surfaces to preserve, waterproof, strengthen and harden the treated areas | 25-Aug-2009 Renewed on 22-Mar-2012 | Poly Flex Patanwalla Estate, Opp. Shreyas Talkies, L.B.S. Road, Ghatkopar (W), MUMBAI – 400 086 | 022-25002246 022-25003254 (F) |
| 20 | Brifen Wire Rope Safety Fence | For safety on expressways, dual carriageway, highways and hill roads | 07-Oct-2009 Renewed on 22-Mar-2012 | Hill & Smith Limited Springvale Business & Industrial Park Bilston, Wolverhampton West Midlands, WV14 0Q | 01902 499400 01902 499419 (F) 98113 07198 (M) |
| 21 | Probid +3.01 Software | Tool for Costing, Budgeting, Planning, Resource Management, and Bidding of Highway Projects | 07-Oct-2009 | AEC LOGIC Private Limited (Gaddipati Solutions Pvt. Ltd.) Plot No. 65, Street No.1, Sagar Society, Banjara Hills Road No.2, HYDERABAD – 500 034 | 040-23541555 040-23550347 (F) |
| 22 | Sinak S 102 | Curing and waterproofing compound used to achieve specified strength with improved surface durability | 07-Oct-2009 Renewed on 25 May 2012 | Trans Metalite India Limited, 4417/7, Ansari Road, Darya Ganj, NEW DELHI – 110 002 | 011-23272725 011-42564648 (F) |
| 23 | Nu-Phalt Infra Red Pothole Recycling Repairing System | For repairing of potholes | 07-Oct-2009 Renewed on 25 May 2012 | | |
| 24 | Sparkle – Tata BP Made Solar Road Studs | Road safety product used in accident prone area, hilly roads, urban area, etc. | 07-Oct-2009 | | |
| 25 | Shell Thiopave | Asphalt modifier additive used for enhancing the mechanical properties of the pavement | 08-Oct-2009 Renewed on 22-Mar-2012 | Shell India Markets Pvt. Ltd. 9th Floor, Building 9A DLF Cyber City, Phase-III GURGAON (Haryana) | 0124-4771500(O) extn. 587 0124-4771600 (F) |
| 26 | Dura-Guard™ - Double Walled Corrugated Duct | For encasing utilities along highways | 08-Oct-2009 | Dura-Line India Pvt. Ltd. A/10, Sanskrit Bhawan Qutab Institutional Area NEW DELHI – 110 067 | 011-4312 3400 011-4171 6816 (F) |
| 27 | PRS-Professional Reinforcement Solutions | Cellular confinement and geogrid technology used as base course | 08-Oct-2009 Renewed on 25 May 2012 | PRS Mediterranean Ltd. 2 Weizman Street, Tel Aviv, ISRAEL 64239 | 972-212-5000 972-212-5001 (F) |

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| 28 | PR Plast S | Additive for improving the characteristics of hot mix asphalt in wearing course or binder course of the roads | 08-Oct-2009 | PR Industrie Rue de Barive – Zone Industrielle la Planchotte 21230 Arnay-le-Duc – FRANCE | +33 (0) 380 84 84 00 +33 (0) 380 84 84 07 (F) |
| 29 | Stainless Steel Reinforcement Bars | Structural Steel for reinforced concrete structures | 06-Nov-2009 Renewed on 22-Mar-2012 | Outokumpu India Private Limited. 301-B, Sai Commercial Annexe, B.K.S. Devshi Marg, Chembur East, MUMBAI – 400 088 | 022-4025 4004 022-4025 4016(F) |
| 30 | SRMB Azar | Composite Sacrificial Zinc Coating (ZINGA) to control the menace of corrosion on structural and civil structures | 07-Jun-2010 | SRMB Srijan Limited SRMB House, 7 Khetra Das Lane KOLKATA – 700 012 | 033-40090000 033-22110483 |
| 31 | Evothem Warm Mix Technology | Eco-friendly pavement construction technology | 07-Jun-2010 | MeadWestVaco India Pvt Ltd, 7th Floor, Kumar Business Centre, Bund Garden Road, PUNE - 411 001 | 098300 36126 |
| 32 | Carboncor | Road paving products used in cold mixes for repairs and surfacing | 07-Jun-2010 | Sumer Infrastructure Pvt. Ltd. Atlas Mills Compound P.D'mello Road Mazgaon, Reary Road MUMBAI – 400 010 | 022-2374 0303 022-2374 0505 |
| 33 | Geogreen Blanket | For slope protection and road embankment protection | 07-Jun-2010 | Sri Venkateshwara Fibre Udyog #137, 7th "A" Main, 3rd Stage 4th Block, Basaveshwara Nagar BANGALORE – 560 079 | 080-23480400 (T/F) |
| 34 | Asphalt Rheology Technique | For determination of binder grade to predict the performance of the Asphalt used in road paving | 07-Jun-2010 | AIMIL Ltd., Naimex House, A-8, Mohan Cooperative Industrial Estate, Mathura Road, NEW DELHI – 110 044 | 011-30810200 011-26950011 (F) |
| 35 | Trupave | Hybrid geo-synthetics paving mat for highway applications | 07-Jun-2010 | Owens Corning India Limited, 701, Alpha, Hiranandani Gardens, Powai, MUMBAI – 400 076 | 022-66681707 022-6688 1701 (F) |

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| 36 | Soiltech MK-III | Polymer based stabilisers used for soil stabilisation | 07-Jun-2010 | India Polyroads Private Limited 808-809, E-Block, International Trade Tower Nehru Place, NEW DELHI – 110 019 | 011-41608688 011-26447486 (F) |
| 37 | PR Plast Module | High module additive for Hot Mix asphalts | 07-Jun-2010 | PR Industrie Rue de Barive – Zone Industrielle la Planchotte 21230 Arnay-le-Duc FRANCE | +33 (0) 380 84 84 00 +33 (0) 380 84 84 07 (F) |
| 38 | German Instrument: LOK / CAPO Pull Out Tests | NDT method for estimation of in-situ compressive strength of concrete | 22-Jul-2010 | | |
| 39 | Humboldt Moisture Density Gauge, Model HS 5001 Series | For the purpose of compaction testing in Earthworks, Asphalt and Concrete | 22-Jul-2010 | | |
| 40 | Humboldt Electrical Density Gauge, Model H 4114 Series | For the purpose of compaction testing in Earthworks | 22-Jul-2010 | Avantech Engineering Consortium Pvt. Ltd. 507, GD-ITL Tower B-08, Netaji Subhash Place Ring Road DELHI – 110 034 | 011-23754279 011-27357277 011-42470150 (F) |
| 41 | NCAT Asphalt Content Furnace – Model F 85930 | For the purpose of Bitumen measurement in Asphalt mixes except for gradation analysis of mixes with quartzite aggregates | 22-Jul-2010 | | |
| 42 | Double Wall Corrugated (DWC) High Density Polyethylene (HDPE) Pipe | For Non-Pressure underground sewerage / drainage / cross drainage / pipe culverts | 22-Jul-2010 | Alom Poly Extrusions Ltd. "Alom House" 7B, Dr. Harendra Coomal Mukherjee Sarani (Pretoria Street), 1st Floor, KOLKATA – 700 071 | 033-40106789 033-22822540 033-22827305(F) 033-40106747 (F) |
| 43 | HZL Process Waste, Jarofix | Used as filler material in road embankments | 03-Sept-2010 | Hindustan Zinc Limited Chanderiya Lead – Zinc Smelter P.O. Putholi-312 021 Dist. Chittorgarh | |
| 44 | Full Depth Reclamation Technology | Technology for national and state highways, major district roads and most effectively on the vast stretches of rural roads in India, to economically increase the terminal life of roads and reduce the cost per year and time per km of road building / rehabilitation | 21-Oct -2010 | Caterpillar India Pvt. Ltd. 607-608 Meridian Commercial Tower Windsor Place New Delhi – 110 001 | 011-4365 5230 (O) 011-4356 5233 (F) |

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| 45 | RePLAY® Asphalt Polymer | Used as asphalt pavement sealer and preservation agent | 21-Oct -2010 | Green Mile Infra Pvt. Ltd. Serene Towers, 8-2-623/A, 4th Floor, Road No.10, Banjara Hills HYDERABAD – 500 034 | 40-2331 8224 40-2331 8227 (F) |
| 46 | Omnicube- Retro Reflective Sheeting | Type XI Reflective sheeting | 21-Oct -2010 | Avery Denniso India Pvt. Ltd., Gurgaon, Narsighpur Industrial Area, Six Kilometer Stone Delhi- Jaipur Highway, Gurgaon | 0124-2215 581/582/583 0124-2215 591/ 592 |
| 47 | Star Seal Supreme | Additives for improving the characteristics of asphalt in wearing course or binder course of the roads | 21-Oct -2010 | Star Seal (India) 108, Madhuban Tower, Shakarpur, Vikas Marg, New Delhi -110 092 | 011-2202 2628 (O) 011-2254 2453 (O) 011-2242 2664 (F) |
| 48 | Rubble Master Compact Recyclers | For crushing of concrete, asphalt and natural stone excavated from road works | 21-Oct -2010 | BHP Infrastructures (P) Ltd, Plot No.7, Sector 4, Faridabad – 121 004 | 0129-4282 500 (O) 0129-4063 042 (F) |
| 49 | 6D Cidex - Glass Fiber Grid | Used in pavement and asphalt overlay to prevent crack propagation | 18-Apr-2011 | Metalite International Pvt. Limited 4417/7, Ansari Road, Daryagan, NEW DELHI-110 002 | 11-23272725 (O) 11-23281696 (F) |
| 50 | RBI Grade 81 | stabilizer for improving the engineering properties of soil | 18-Apr-2011 | Alchemist Touchnology Limited Plot No.194, Sector-4, IMT Manesar, GURGAON –122 050 | 011-40600800 (O) 011-40600888 (F) |
| 51 | Coir Geotextiles | Used in construction and maintenance of roads and embankments | 18-Apr-2011 | Central Coir Research Institute, P.O Kalavoor, Distt Alappuzha KERALA-688 522 | 0477-258094 (O) 0477-258480 |
| 52 | Rhinophalt | Prevention material used to extend the life of surface course of road | 18-Apr-2011 | ASI Solutions Plc Luminar House, Deltic Avenue, Rooksley, Milton Keynes, MK13 8LW | 44(0) 1908 246000(O) +44(0) 1908 246001 (F) |
| 53 | Cosmos Roadliner 2000 S | Road Safety Plastic Barriers | 18-Apr-2011 | Cosmos Fibre Glass Limited 60, DLF Industrial Area, Phase I, FARIDABAD-121 003 | 129-2277172 129-2278536(F) |
| 54 | Polyguard | Waterproofing product for concrete roads and bridge decks | 30-May-2011 | APAAR Infratech Private Limited B-92, Sector-63 NOIDA – 201 301 | 120-4090900 120-4090901 |

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| 55 | TechGrid Geogrids System | Used in RE walls/RE slopes and Soil stabilization purpose | 14-July-2011 | TechFab India Industries Ltd. 712, Embassy Center, Nariman Point, Mumbai 400 021 | +91 22 2287 6224 +91 22 2287 6225 +91 22 2283 9733 +91 22 2287 6218 (F) |
| 56 | TechGlass Geogrids & TechGlass Composites | Used for rehabilitation & Preservation of pavements | 14-July-2011 | | |
| 57 | TechGeo Non-Woven Geotextiles | Used for filtration /separation and Soil stabilization purpose | 14-July-2011 | | |
| 58 | TechFab Woven Geotextiles | Used for filtration /separation and Soil stabilization purpose | 14-July-2011 | | |
| 59 | TechFab Polymer / Steel Gabions | Used for river training/ coastal and protection retaining walls | 14-July-2011 | | |
| 60 | TechFab Geocomposites | Used for soil reinforcement and Sub-grade stabilization | 14-July-2011 | | |
| 61 | TechDrain PVD | Used for soil consolidation purpose | 14-July-2011 | | |
| 62 | Aluminum backed flexible prismatic retro reflective sheeting | Highly flexible and conformable Retro reflective sheeting | 14-July-2011 | 3M India Limited, 60-61, Udyog Vihar, Phase-IV, Gurgaon, (HARYANA) | 0124-3854100 |
| 63 | Dynatest Model 3031 : Light-weight Deflectometer | Pavement surveys for road, airports and ports | 14-July-2011 | AIMIL Ltd., Naimex House, A-8, Mohan Cooperative Industrial Estate, Mathura Road, NEW DELHI-110 044 | 011-30810200 011-26950011 (F) |
| 64 | Dynatest Model 8000 : Falling-weight Deflectometer | | | | |
| 65 | Dynatest Portable Road Surface Profiler MarkIV | | | | |
| 66 | Rediset WMX 8017 | Anti-stripping Additive for bitumen mixes | 14-July-2011 | Akzo Nobel India Limited Plot No. 1/1 TTC Industrial Area, Thane Belapur Road, Koparkhairane, Navi Mumbai - 400 710 | + 91 22 2778 0000-04 + 91 22 2778 0054 (F) |
| 67 | Zym-Tec | Ecological friendly enzyme base road construction technology | 14-July-2011 | Innovative Technology Enzyme Company of India Ltd (i- Tec India) 602, Trade Centre, BKC, Bandra (E), Mumbai- 400 051 | + 91 22 2642 3443 + 91 22 2642 3442 (F) |
| 68 | Eliminator | Waterproofing system for bridge deck | 14-July-2011 | Nina Concrete System Pvt, Ltd. Mani Bhavan, 4th Floor, 54, Hughes Road, Chowpatty, Mumbai 400 007 | + 91 22 6616 6000 + 91 22 2369 1894 (F) |
| 69 | INSTA PATTCH | For road repairs | 12-Mar-2012 | Akshay Innovations Private Limited GS4 & 5, Silver Palace Opp. Yeshwant Stadium Dhantoli NAGPUR - 440 012 (Maharashtra) | +91 712 2452 152 +91 712 2725 027 (F) |

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| 70 | Polyester Polymer Concrete | On road, bridge and airport projects. | 13-Mar-2012 | DDR Global Infrastructure Pvt. Ltd. 311, 3 rd Floor, Time Tower M.G. Road GURGAON – 122 002 (Haryana) | +91 124 498 6400 |
| 71 | Tenax – Soil Reinforcing System Using HDPE Geo-grid | In slope stabilization & road and bridge widening projects | 13-Mar-2012 | H.M.B.S Textiles Pvt. Ltd. Head Office: 4378/4, Road No. 4B Ansari Road, Daryaganj, NEW DELHI-110 002 | +91 11 4359 3048 +91 11 2325 7026 (F) |
