


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

| | | |
|--|---|---|
|  <p>0307</p> <p>Accredited to ISO/IEC 17025:2005</p> | <h3>4ward Testing Ltd</h3> <p>Issue No: 032 Issue date: 23 March 2017</p> | |
| | <p>5 Hampers Common Industrial Estate Petworth West Sussex GU28 9NR</p> | <p>Contact: Ms Lesley Komatsu Tel: +44 (0)1798-342240 Fax: +44 (0)1798-344482 E-Mail: info@4wardtesting.co.uk Website: www.4wardtesting.co.uk</p> |
| <p>Testing performed at the above address only</p> | | |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|---|--|
| <p>ADHESIVES</p> <p>Prepregs, pressure sensitive tapes, bitumen coated pipewraps and related materials exhibiting adhesive properties</p> | <p><u>Mechanical Tests</u></p> <p>Adhesion (Forces up to 1 kN)</p> <p><u>Environmental Tests</u></p> <p>Evaluation of resistance to chemical reagents</p> | <p>ASTM D1000-2010, Section 46-50 Documented In-House Method No. M0032</p> <p>ASTM D543-14:Practice A: Procedures I and II</p> |
| <p>PLASTICS and PRODUCTS</p> <p>Non-rigid plastic sheet <6mm thick</p> <p>Cured reinforced resins Non-cellular plastics</p> <p>Cast, hot moulded, cold moulded, laminated resinous products and plastic sheet</p> | <p><u>Mechanical Tests</u></p> <p>Tensile strength at ambient temperature Elongation (excluding modulus of elasticity) (Forces up to 1 kN)</p> <p>Tensile strength at ambient temperature Elongation (Forces up to 1 kN)</p> <p>Density (> 1 gm/cm³)</p> <p>Evaluation of resistance to chemical reagents</p> | <p>ASTM D 412-2015a Method A ASTM D 638-14</p> <p>BS EN ISO 527-3:1996, BS 2782-3 Method 326E:1995</p> <p>Documented In-House Method No. M0006</p> <p>ASTM D543-14:Practice A: Procedures I and II</p> |



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| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---------------------------|--|--|
| RUBBER and PRODUCTS | <u>Mechanical Tests</u> Tensile strength at ambient temperature (Forces up to 245N) Elongation <u>Environmental Tests</u> Evaluation of resistance to chemical reagents | ASTM D412-2015 Method A ASTM D543-14:Practice A: Procedures I and II |
| ADHESIVES and SEALANTS | <u>Mechanical Tests</u> Elastic Recovery Resistance to Flow Tensile Properties, extension to break Tensile properties at maintained extension Adhesion/cohesion properties at constant temperature Adhesion/cohesion properties at variable temperatures Change in Mass and Volume Tensile properties at maintained extension after immersion in water Adhesion/Cohesion after immersion in water Adhesion/Cohesion after exposure to Heat/Light/Water | BS EN ISO 7389: 2003 BS EN ISO 7390: 2003 BS EN ISO 8339: 2005 BS EN ISO 8340: 2005 BS EN ISO 9046: 2004 BS EN ISO 9047: 2003 BS EN ISO 10563: 2005 BS EN ISO 10590: 2005 BS EN ISO 10591: 2005 BS EN ISO 11431: 2002 |
| Cementitious adhesives | Bond Strength - Initial Durability of bond strength against water/humidity, climate/heat and freeze-thaw | BS EN 1348: 2007 |



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| ADHESIVES and SEALANTS (cont'd) | <u>Mechanical Tests</u> (cont'd) | |
| Dispersion Adhesives | Bond Strength - Initial Durability of Bond strength against climate/heat and water/humidity | BS EN 1324: 2007 |
| Reaction Resin Adhesives | Bond Strength – Initial Durability of Bond Strength against climate/heat and water /humidity | BS EN 12003: 2008 |
| Cementitious, dispersion and reaction resin adhesives | Open time | BS EN 1346: 2007 |
| END | | |



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Accreditation for the purpose of Notified Body activity taking into account EA 2/17

| Directive / Regulation | Conformity Assessment Procedure / Module / Article | Category of Products or Individual Products | Essential Requirements: Product Specification / Properties / Standards |
|---|--|---|--|
| The Construction Products Regulation (EU) No 305/2011 | Annex V – Testing Laboratory (AVCP) System 3 | 2011/19/EU Sealants for non-structural use in joints in buildings and pedestrian walkways (1/2) : - Sealants for external walls - outdoor applications | BS EN 15651-1:2012 |
| | Annex V – Testing Laboratory (AVCP) System 3 | 2011/19/EU Sealants for non-structural use in joints in buildings and pedestrian walkways (1/2) : - Sealants for glazing for uses in building construction | BS EN 15651-2:2012 |
| | Annex V – Testing Laboratory (AVCP) System 3 | 2011/19/EU Sealants for non-structural use in joints in buildings and pedestrian walkways (1/2) : - Sealants for sanitary joints for uses in building construction | BS EN 15651-3:2012 |
| | Annex V – Testing Laboratory (AVCP) System 3 | 2011/19/EU Sealants for non-structural use in joints in buildings and pedestrian walkways (1/2) : - Sealants for pedestrian walkways for uses in building construction | BS EN 15651-4:2012 |
| | Annex V – Testing Laboratory (AVCP) System 3 | 2011/19/EU Sealants for non-structural use in joints in buildings and pedestrian walkways (2/2) : - Sealants for joints (for uses subject to reaction to fire regulations) | BS EN 15651-1:2012 BS EN 15651-2:2012 BS EN 15651-3:2012 BS EN 15651-4:2012 |



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|--|---|---|---|
| The Construction Products Regulation (EU) No 305/2011 (cont'd) | Annex V – Testing Laboratory (AVCP) System 3 | 99/470/EC Construction adhesives (1/2) : - Adhesives for tiles (for internal and external uses in buildings and other civil engineering works). | BS EN 12004:2007 +A1:2012 |
| END | | | |