

# Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	<b>Beegrip Ltd</b>
<b>Address</b>	Colony at Astley, 70 Great Ancoats Street, Manchester, M4 58G, United Kingdom
<b>Type</b>	Primary Deck Covering Material
<b>Description</b>	Fire-Resisting Material – Type “Bimagrip Anti-Skid Surface”
<b>Trade Name</b>	Bimagrip
<b>Specified Standard</b>	IMO Res. MSC.307(88) – (2010 FTP Code), Annex 1, Parts 2 & 5

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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**Keith Taylor**

Team Lead Fire & Safety to Lloyd's Register  
EMEA  
A member of the Lloyd's Register Group

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2004128SF**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Certificate is a replacement of previous Lloyd's Register EMEA Certificate of Fire Approval No: SAS F140147.

**APPROVAL DOCUMENTATION**

1. Exova Warringtonfire, Warrington, United Kingdom, Test Report No. 420409 Issue 1, dated 28 November 2019.
2. Exova Warringtonfire, Warrington, United Kingdom, Test Report No. 420408 Issue 1, dated 12 November 2019.

**CONDITIONS OF CERTIFICATION**

1. When applied to a steel substrate.
2. The specimen consisted of "Bimagrip Anti-Skid Surface" material which had a nominal dry film thickness of 4.34mm and consisted of: one coat of polyurethane primer 'Acraprime' applied by roller at a rate of 10m<sup>2</sup>/litre, followed by one coat of 3 component polyurethane resin screed system 'Bimagrip' applied by trowel at a rate of 2.5 – 3.0 kg/m<sup>2</sup>, and top surface layer of 20 mesh aluminium oxide aggregate 'Emery' applied at a rate of 5 – 15kg/m<sup>2</sup>.
3. Composition of individual coatings, including any fire retardants, to be maintained in production in accordance with originally tested composition formula and applied in accordance with manufacturer's instructions.
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
5. The Certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class Rules as applicable and designed and manufactured to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

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**PLACE OF DESIGN AND ENGINEERING**

Beegrip Ltd.  
Colony at Astley  
70 Great Ancoats Street  
Manchester  
M4 5BG

**PLACE OF PRODUCTION**

Star Uretech Ltd.  
Enterprise House  
Hollin Bridge Street  
Blackburn, Lancashire  
BB2 4AY



Keith Taylor  
Team Lead, Fire & Safety  
Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
Lloyd's Register

**Supplementary Type Approval Terms and Conditions**

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*