



L'ISOLANTE K-FLEX

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Certificate of conformity

Subject: Certificate of conformity K-Flex ECO IN CLAD

The undersigned Company certifies that the above mentioned product have been manufactured and tested as required by the provisions of the international Directive UNI EN ISO 9001:2000 (Certichim 160/3) regarding the production and all other market activity of the product.

Such Regulations foreseen in our Quality Manual:

- "Production Control"
- "Tests Control"

These procedures, already used and certified, will be applied in order to obtain the CE mark according to the declaration of Conformity in the EN Regulation.

Moreover, we confirm the following technical Data, periodically verified and/or supervised by third laboratories:

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| <u>K-FLEX ECO:</u> | |
| • Thermal conductivity | at 0°C =0,038 W/m°K |
| • Water vapour permeability | $\mu >=3000$ |
| • PVC, CFC, HCFC, formaldeide free | |
| • Corrosion risk | pH neutral, EN 13648 |
| • Performance temperature | from -165°C to +120°C |
| • Reaction to fire: | Euroclass E - EN 13501 (EU)
Brandkennziffer 5-3 (CH)
Class 1 – BS 476 part 7 1989 (UK) |
| • Marine homologations | R.I.N.A. – LR – DNV
CE-MARINE (BureauVeritas)
US NAVY |
| • Smoke classification | IMO Res 61 (67) |
| <u>IN CLAD protective foil:</u> | |
| • Specific Weight: | 1,8 g/cm ³ ±0,5% |
| • Thickness: | 1,2 mm ±0,2 |
| • Tensile strength: | >=6,9 Mpa - ISO 37 (Typical value 7.5 Mpa) |
| • Tear strength: | >=6 Mpa |
| • Elongation to break: | ≥100% |
| • Performance temperature | from -55°C to +100°C |
| • Water vapour permeability | $\mu >=90000$ |
| • Reaction to fire: | M1 NF 92501 (F)
Class 0 – BS 476 part 6 1989 (UK) |
| • Marine homologations | ABS – LR – DNV
CE-MARINE |

Roncello, 07/11/14

Dr. Ing. Andrea Marengi
Technology Manager

