



DATA SHEET

**"K 52" SOUND & THERMAL INSULATING FIBER GLASS**

|                                                        |                                                     |                                                                             |                                     |                                     |                                                    |
|--------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------------------|
| Type                                                   | "K 52" 6 mm GI-NGM 1500                             |                                                                             |                                     |                                     |                                                    |
| Weight per unit of area rated value g/mq               | 1500                                                |                                                                             |                                     |                                     |                                                    |
| Thickness rated value mm                               | 6                                                   |                                                                             |                                     |                                     |                                                    |
| Raw density (standard value) kg/mc                     | 250                                                 |                                                                             |                                     |                                     |                                                    |
| Standard dimensions                                    | Plate 1000 x 1000 mm                                |                                                                             |                                     |                                     |                                                    |
| Chemical characterizing / chemical conduct             | ----                                                |                                                                             |                                     |                                     |                                                    |
| Colour                                                 | White                                               |                                                                             |                                     |                                     |                                                    |
| Smell                                                  | Without any smell                                   |                                                                             |                                     |                                     |                                                    |
| Kind of fibre                                          | C-glass according to DIN 1259                       |                                                                             |                                     |                                     |                                                    |
| Glass combination %<br>(standard values)               | SiO <sub>2</sub> – 62,3<br>Na <sub>2</sub> O – 14,3 | Al <sub>2</sub> O <sub>3</sub> – 4,6<br>B <sub>2</sub> O <sub>3</sub> – 6,3 | K <sub>2</sub> O – 1,8<br>CaO – 6,1 | BaO – 0,6<br>SO <sub>3</sub> – 0,35 | Mg O – 3,5<br>Fe <sub>2</sub> O <sub>3</sub> –0,05 |
| Bonding agent                                          | Without any bonding agent                           |                                                                             |                                     |                                     |                                                    |
| Physical propeties                                     | ----                                                |                                                                             |                                     |                                     |                                                    |
| Form                                                   | Textile fabric-mat                                  |                                                                             |                                     |                                     |                                                    |
| Physlological conduct                                  | Physiol. Unhesitating                               |                                                                             |                                     |                                     |                                                    |
| Toxicological conduct                                  | Acute not dangerous                                 |                                                                             |                                     |                                     |                                                    |
| Temperature stability duration load °C                 | Glass fibre – 80 – 500<br>Sewing thread 200         |                                                                             |                                     |                                     |                                                    |
| Variation of condition                                 | Beginning of sinter by 550°C                        |                                                                             |                                     |                                     |                                                    |
| Conduct in fire according to IMO resolution A 472/XIII | Non-combustible                                     |                                                                             |                                     |                                     |                                                    |
| Conduct in fire according to DIN 4102                  | Non-combustible                                     |                                                                             |                                     |                                     |                                                    |

*Value of thermal conductivity*

| Middletemp. °C               | 0     | 20    | 50    | 100   | 150   | 200   | 250   |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Thermal conductivity<br>W/mK | 0,036 | 0,039 | 0,043 | 0,047 | 0,053 | 0,060 | 0,069 |

|                                                    |                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Declarations of ecology                            | Ecol. Unhesitating - Capable for recycling<br>Wrong cut will be taken back in clean state<br>and free of strange corpora |
| Measures for shelter --- technical<br>--- personal | Not necessary<br>Not necessary                                                                                           |
| Storage                                            | Dry, protected against moistness                                                                                         |

Descrizioni e caratteristiche tecniche indicative e non impegnative / We reserve the right to change products and specifications without prior notice

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