

# GEAQUELLO® E 950 Sealing system

Fire resistance class A-60 in accordance with IMO-Resolution A.754(18) for bulkhead and deck penetration. Sealing length 180 mm.

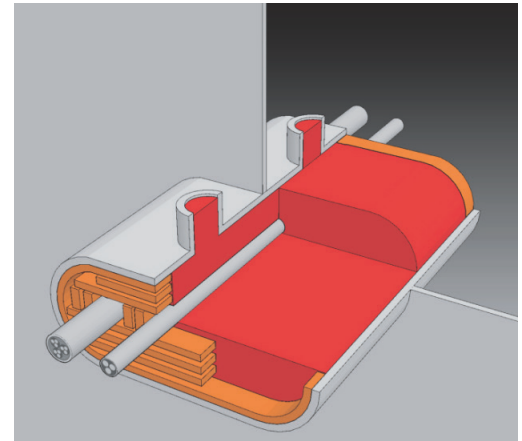


## Fields of application

The GEAQUELLO® E 950 sealing system is developed for the application in ship-building. In case of a fire the system is a safe sealing for cables and pipes, also above and under the water line.

## System properties

- Removable
- Fire retardant, gas- and watertight (in accordance with SOLAS / IMO)
- Sealing length 180 mm
- Easy application – no adapters, moulded components or subdividers are required for installation, in spite of varying cable and pipe diameters.
- All components react neutrally, are physiologically safe and are not subject to hazard identification requirements.
- For retrofitting, the sealing compound can be removed on every time.



## Made of the following products

System components		
<b>GEAQUELLO® R 312 / R 380</b> Expansion modules	<b>GEAQUELLO® E 824</b> Impregnation liquid	<b>GEAQUELLO® E 950</b> Sealing compound
360 modules à 120 x 25 x 6 mm product No. 4148143 25 modules à 800 x 25 x 6 mm product No. 4148142	Bottle à 1 kg product No. 4145152 Canister à 10 kg product No. 4145286	Pail à 3 kg product No. 4145486 Pail à 15 kg product No. 4145524
Optional components		
<b>FLAMMADUR® A 365</b> Stripe	<b>FLAMMADUR® E 292</b> Sealing compound	<b>FLAMMADUR® A 386</b> Sealing compound
5 pcs. à 1000 x 100 x 3 mm product No. 4246488	Pail à 1 kg product No. 4125671 Pail à 5 kg product No. 4172744 Pail à 20 kg product No. 4146604	Pail à 1 kg product No. 4146315

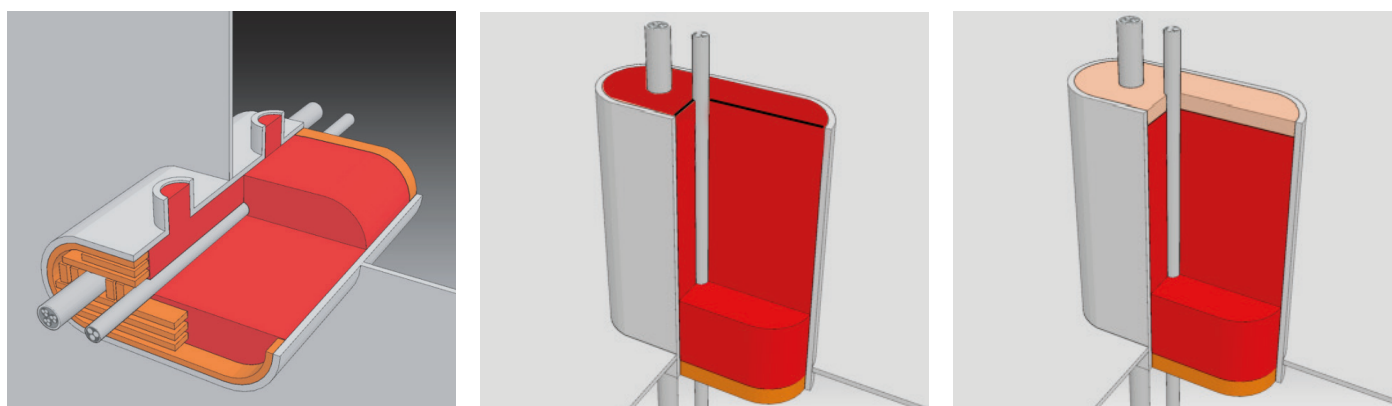
For further information see the corresponding product data sheets.





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for bulkhead and deck penetration. Sealing length 180 mm.

### Application steps

1. If plastic pipes are installed, wrap each of them with one **FLAMMADUR® A 365** Stripe (one or two layer).  
Fixation of the stripe e.g. with cable tire, adhesive film.
    - For horizontal penetrations arrange the wrap in the middle, for vertical penetrations push the wrap from the top to the front wall.
    - The wrap can be cut or broken to the required length.
  2. To build the end wall, roughly fit the expansion modules **GEAQUELLO® R 312** and/or **R 380**.
    - The expansion modules shall be fitted in such a way that the „comb-site“ will be sealed.
    - The expansion modules can be shortened in their length with simple tools.
    - All installations must be separated from each other and the supporting wall by using the expansion modules. This ensures the minimum distances and that the installations get full covered in the sealing compound.
    - For closure of larger areas, the expansion modules are both horizontal and vertical to arrange for sufficient stability.
  3. The expansion modules shall be impregnated with **GEAQUELLO® E 824** according to the application ratio. For a strip bundle swell modules R 380 (Length = 80 cm, 25 pcs.) 5 kg of impregnation liquid are needed.
    - Gloves and eye protection shall be used while working.
    - Cover the work place with paper or foil.
    - The modules absorb the liquid and swell to up to 10 times the size.
    - Within a few minutes, a stable and pour-proof front wall is formed, which is fire-retardant and self-extinguishing.
  4. Mixing of the sealing compound **GEAQUELLO® E 950** with powder and tap water.  
The required quantity depends of the penetration size and diameter of the installations.
    - With a mixing ratio of 2 : 1 (Powder : Water) the product becomes a smooth paste which flows from the mixing tool without forming drips.
    - In case of skin contact with the impregnation liquid or the sealing compound, wash with water.  
In case of eye contact, thoroughly rinse with water.
- (5. If required cover deck penetrations with **FLAMMADUR® E 292** or **FLAMMADUR® A 386**.)



-  GEAQUELLO® R 312 / R 380 Expansion modules
-  GEAQUELLO® E 950 Sealing compound
-  FLAMMADUR® A 365 Stripe for combustible pipes
-  FLAMMADUR® E 292 or FLAMMADUR® A 386