



Certificate of Type Approval (RQS)

This is to certify that Geberit Fabrication SA
has met the requirements of ABS Product Type Approval for
MEPLA Composite Aluminum Polyethylene Pipes
Model Name(s): Mepla Pipe

Presented to:

Geberit Fabrication SA
Route Jo Siffert 38
Zone Industrielle 3
Givisiez
CH-1762
Switzerland

Intended Service:

1) Sanitary systems; 2) Fresh water (potable water) systems; 3) Water circulating pipes for heating and air conditioning systems; 4) Fresh and sea water cooling systems for non-vital equipment; 5) Tank air, filling and sounding pipes connected to tanks containing liquids other than oil or other combustible or flammable liquids; 6) Compressed air piping for non-vital systems; 7) Drains from inert gas system scrubbers and blower casings; 8) Piping within tanks; 9) Segregated ballast piping on deck

Description:

Meplatec, Geberit-Mepla, flame retardant Meplagas and its range of brass fittings; Internally and externally polyethylene shielded aluminium pipes; Mepla Pipes in sizes (mm): 16, 20, 26, 32, 40, 50, 63

Ratings:

Maximum Static Pressure: 18 BAR at 20 degrees C, 12 BAR at 95 degrees C; The Maximum Working Pressure between 20 degrees C and 90 degrees C is to be interpolated; Maximum Peak Pressure: 20 BAR; Maximum Temperature: 95 degrees C

Service Restrictions:

Unit Certification is not required for this product.

Comments:

1) Installation of pipes is to be only with fittings developed and recommended by the manufacturer; 2) Flow medium as per manufacturer's list; 3) The installation of the pipes is to be carried out in accordance with 4-6-3/7 of the ABS Rules; 4) The pipes are not to be installed in the vicinity of switchboards or other electrical equipment unless suitably shielded; 5) The pipes are not to be installed in cargo pump rooms or similar hazardous spaces.

Notes / Documentation:

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 04-LD388323-PDA, dated 14/Jan/2004. This PDA Certificate expires Jan of 2009. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

ABS Rules:

2003 Steel Vessel Rules 1-1-4/3.7, 4-6-3/5

National Standards:

International Standards:

Government Authority:

EUMED:

Others:



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.