

Uniclass L331:P224	EPIC C311:X223
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Technical Manual – Section 20

Lytag Water Filtration Media for Aquariums and garden ponds

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Lyttag water filtration media is suitable for all standard aquarium and garden pond filters. The 4mm up to 8mm particle size provides optimal filtration and a good water flow capacity. The core and outer surface of the Lytag particles are very porous in order to support biological activity of bacteria colonisation.

Density

In many biological filter units, cleaning can be made easier by the use of low- density filter media. Lytag water filtration media is half the weight of natural aggregate so satisfies this requirement whilst being sufficiently dense to avoid flotation. The controlled density allows pumps and associated equipment to be selected on an individual basis. This can lead to significant savings, in terms of both capital and operating costs.

Typically Lytag has a particle density of 1550kg/m³ and, for rounded particles, a bulk density of 750kg/m³.

Strength

Experience gained since 1959 in Lytag production shows that lightweight does not equate to low strength. Lytag products have proved their strength in practice, during transportation, placing and in service.

Chemical Resistance

Lyttag water filtration media is: -

- Resistant to any pH changes likely to be encountered in biological filters.
- Does not degrade in use.
- Frost resistant so it does not degrade in use or in storage.
- Disease free.
- Chemical analysis - Please see Product Specification sheets.



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Pond filters

Granular Lytag can be used as a pond filter media. This produces a variety of benefits.

- When used as an internal filter, Lytag's shape lessens the chance of damage to liners and plastic pipework, as well as the fish.
- The high hydraulic conductivity allows lower powered pumps to be used. Once in position there is virtually no settlement so flow through the filter remains high.
- Although it is approximately half the weight of natural aggregate, i.e. for the same weight you get twice the volume. Lytag water filtration media will not float in water.
- Despite its shape, Lytag has a high surface area, which is suitable for bacterial activity to assist purification. Lytag is absorbent due to the many minute fissures in the surface, hence the high surface area.

Further advice on pond use can be obtained from a specialist distributor.

Practical use

- Prior to installation Lytag water filtration media should be thoroughly washed to remove any fine material adhering to the aggregate surface.
- Avoid spillages on the floor as the rounded particles can cause a slip hazard.
- Regular testing of the water will indicate when the media should be cleaned. Lytag water filtration media is easily cleaned by gentle agitation to remove any build up on the surface.
- When Lytag water filtration media is no longer required it can be used in the garden as a soil improver to aid drainage and lighten soils.



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