

BRAUDE

Frogspawn

Used worldwide by:

- Steel strip manufacturers
- Wire & Tube
- Chemical Plants
- Metal Finishers
- Galvanising
- Glass Producers
- Aerospace Industry
- Chemical Millers

Frogspawn will save you energy and money

- reduce thermal losses
- reduce noxious fumes
- reduce corrosive vapours & splashing
- improve operator safety
- increase energy savings & profits
- range of sizes
- materials to suit most applications
- one-piece design, no protruding rim
- no impedance to workload



Thermal insulation spheres

Frogspawn is a blanket of hollow spheres ideal for open tanks of water, chemicals, corrosive fluids or even as packing in scrubber systems.

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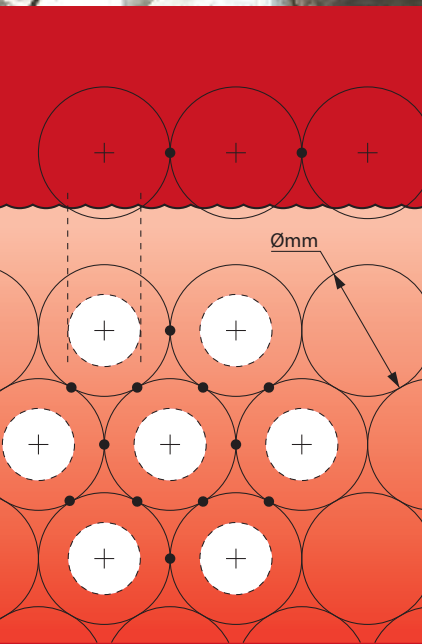
Thermal insulation spheres



Without Frogspawn



With Frogspawn



Frogspawn consists of hollow spheres of polypropylene, which are floated on the top of process tanks to provide a continuous insulating layer whilst enabling workpieces to pass in and out of the tank with ease.

Frogspawn is available in a variety of sizes and is resistant to virtually all solutions used in industry, for example acids, alkalis, inorganic and organic solutions.

Dimensions and details may be subject to alteration at manufacturers discretion without prior notification

Technical Data

Diameter	Packing Unit	Average Weight	No per M ²
10mm	5000	0.2g	11600
20mm	2000	1.0g	2900
25mm	1000	1.5g	1850
38mm	1000	4.5g	800
45mm	1000	7.0g	570
50mm	1000	8.0g	465
70mm	500	15g	235
100mm	100	32g	116
150mm	50	90g	51.5

Features & Benefits

- Reduces surface heat loss
- Savings of up to 75% can be achieved with a single layer
- Reduces or virtually eliminates vapours
- Frogspawn prevents approximately 90% of vapour losses.
- Process control is improved by enabling solution concentration to be maintained
- Reduces corrosive effects
- Corrosive vapours affect steel structures and equipment. Frogspawn virtually eliminates this problem.
- Reduces necessity for fume extraction
- Fume extraction can be reduced enabling considerable savings to be made on space heating costs.
- Reduces splashing
- Improves working conditions

Dramatic savings can be made

A single layer of spheres covers 91 % of the liquid surface trapping air in the gaps which adds to the thermal insulation properties.

Frogspawn is a one piece moulded construction, with no joints or rim, which gives a strong smooth sphere resistant to cracking or fouling.

The diameter of the sphere makes no difference to the surface covered so choice is influenced by other process factors such as size of components, drains and pipes.

Material

PP (Polypropylene) Standard
HDPE (High Density Polyethylene)
LDPE (Low Density Polyethylene)
PVDF (Polyvinylidene Fluoride)

Colour (Others are available to special order)

Natural
Natural or black (UV stabilised)
Black, blue or green
Natural

Used extensively in the following industries & applications

Metal finishing • Boiler feed water tanks • Acid pickling • Caustic de-greasing • Fume scrubbers
Open cold water tanks • Chemical process vessels • Water storage and effluent treatment systems

