

The All New Halar[®] ECTFE for Containers and Vessels

Halar[®] ECTFE – which has for many years been well-tried in the anti-corrosion area – is taking the next innovative step opening **completely new fields of coating application**.

The newly developed Halar[®] ECTFE comes into play and picks off from where the so far known Halar[®] ECTFE powder coating seemed to have virtually left off.

For the first time the interior of closed containers and vessels can be lined with the new Halar[®] ECTFE by means of a **new application procedure**.

The inner lining of **closed containers and vessels** with a volume of – currently – up to 10.000 litres is now technically made possible.

Halar[®] ECTFE has an outstanding resistance to nearly all chemicals, acids, alkaline solutions and organic solvents.

PROPERTIES

- Highest chemical resistance
- High layer thickness
- Suitable for mechanical processing
- Exceptional electrical properties
- High abrasion resistance
- Non-stick surface

CONTACTS

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SOLVAY

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Solvay, world leader in high performing polymers, has developed an innovative **Halar[®] ECTFE** coating system suitable for **Internal Tank and Container Coating**.

The developed coating system combines the well-known superior performance properties of **Halar[®] ECTFE**, with a **high level of adhesion** to various substrates plus **high permeation resistance**.

The coating shows **very good surface finish**.

Halar[®] ECTFE typical properties

Characteristics	Typical Value
Colour	Natural
Specific Weight	1.68 g/cm ³
Maximum Continuous Service Temperature	150°C
Melting point	225°C
Low temperature embrittlement	<-76°C
Shore Hardness D (ASTM D2240)	70-74

Halar[®] ECTFE is **one of the most chemically resistant polymers** available today:

- is virtually unaffected by most harsh chemicals commonly encountered in the industry.
- **can handle the full pH 0-14 range** (has exceptional resistance to strong acids over a wide temperature range and resists to strong bases)
- easily handles powder **bleaching agents**, such as sodium hypochlorite.
- **resists strong polar solvents** (is not dissolved by any known solvent to 150°C)
- **is hydrophobic** (no influence of water and moisture)

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