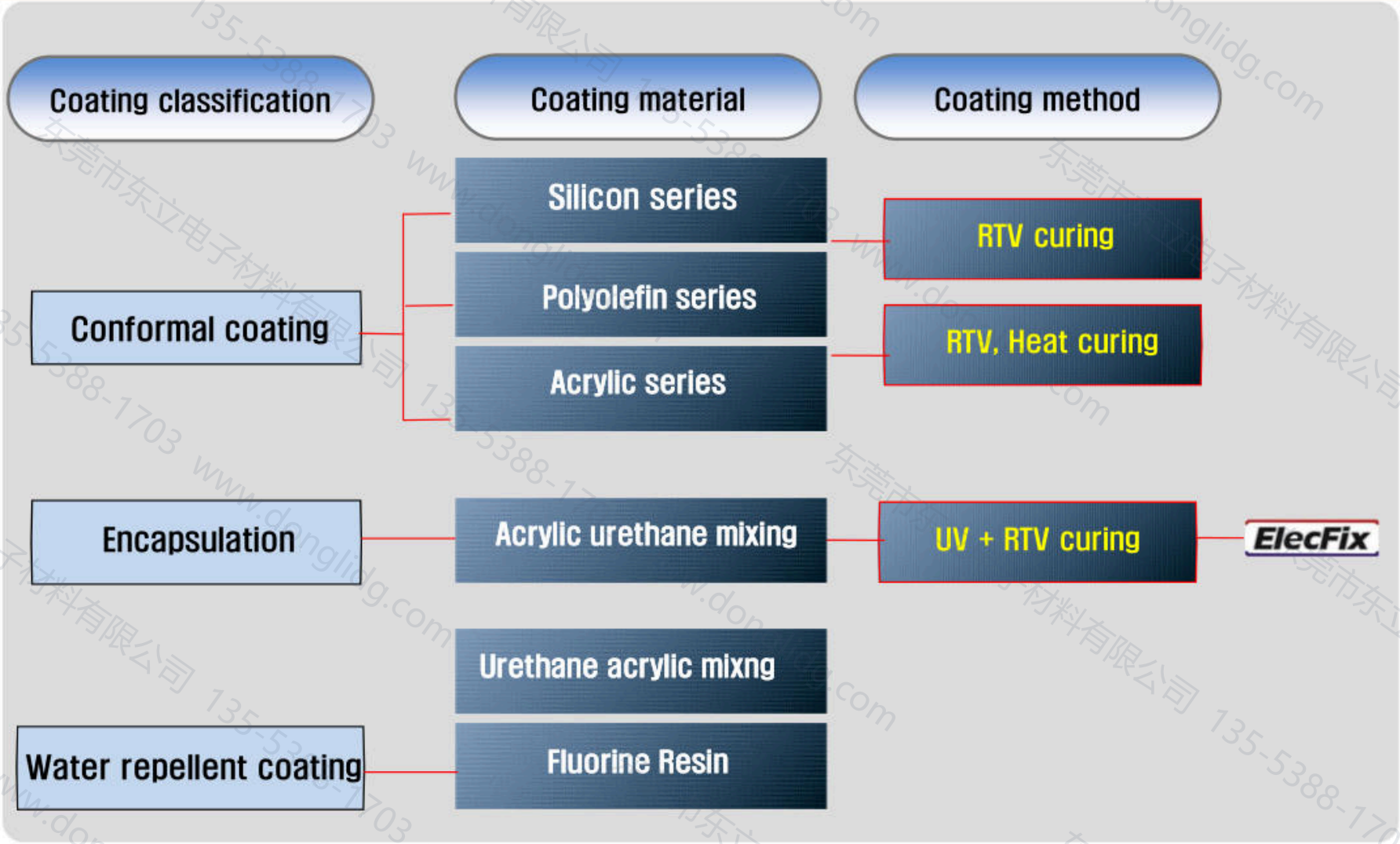
1. Review items when selecting coating materials

Coating materials used for electricity



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2. Comparison of review points when selecting coating materials

Comparison by coating method



Conformal Coating
-Sensitive quality defects occur
Due to exposure to the edge part



Encapsulation
Full protection of elements
And solder, etc.

IPC conformal coating specification	IPC-A-610

- Acceptance criteria for alternatives to electronic assemblies

10.9.1 Electrical Insulation Coating – Coverage

This material is used to provide insulation to an exposed conductor when conformal coating is insufficient to provide enough protection and encapsulation is too much.

10.9.2 Electrical Insulation Coating – Thickness

Acceptable – Class 1,2,3
- Complete coverage with no exposed metal.

Defect – Class 1,2,3
- Exposed metal.

Note: The thickness requirements of 10.8.3 Printed Boards and Assemblies – Conformal Coating – Thickness do not apply.

IPC-HDBK-830

- Guidelines for Selection and Application of Conformal coating

- Contents : Bubbles for multiple reasons are often insurmountable, and bubbles are generally allowed when their size is less then 50% of the distance between conductors at that location and do not expose conductors, land bridges, or adjacent conductor surfaces

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