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TMAC ELECTRICAL·INDUSTRIAL | TOOLS·TECHNOLOGIES

A PRACTICAL FRAMEWORK: CHOOSING THE RIGHT INSULATOR







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Define the environment

- ☐ coastal salt
- ☐ industrial pollution
- ☐ desert dust
- ☐ altitude
- ☐ humidity
- ☐ ice
- ☐ UV intensity

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Define the electrical duty

- ☐ system voltage
- ☐ insulation coordination (lighing/switching impulse
- ☐ required creepage



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Define the mechanical duty

- ☐ tension class
- ☐ wind/ice loading
- ☐ vibration
- ☐ structure type (angle, dead-end, tangent)

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Define maintenance reality

- ☐ can you wash routinely?
- ☐ how accessible are the structures?
- ☐ what's your inspection capability?



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Control quality

- ☐ for composites, specify materials (i.e. silicone grade)
- ☐ sealing requirements
- ☐ testing regime
- ☐ traceability