



Deutsches Institut
für Bautechnik

Member of the European Organisation for Technical Approvals



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Innovation

Creative and Innovative Implementations in Construction

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Innovative

- materials/products
- design/execution of works
 - innovative uses of materials/products
 - innovative construction methods

Standards or generally recognised technical rules

- not available
- not applicable
- not applied

1. How to

- identify
- evaluate
- declare
- ensure

the **essential characteristics / performances** of

- innovative materials/products
- innovative uses of products
- innovative construction methods

in the context of **regulations and prevailing rules** for
design and execution of works

2. How to

- explain the technical meaning of
- allow comparability of
- give confidence in

the **essential characteristics / declared performances** of

- innovative materials/products
- innovative uses of products / construction methods

towards **customers** and **building authorities** ?

1. Assessment / evaluation of product characteristics relevant to fulfil requirements which apply to works (with NPD option)
 - identifying, evaluating, declaring, ensuring the **essential characteristics / declared performances** of innovative product
 - issuing technical specification of product
 - = national approval or + European Technical Approval
 - = basis for national conformity marking or CE marking
2. Assessment of usability in context with national regulations / rules
 - specifying use conditions / application rules in context with national regulations and rules for design and execution of works
 - issuing application rules / use conditions for assessed product
 - = as part of national approval or
 - = as separate “application document” for CE-marked products (ETA or hEN)

1. Specifies innovative

- construction products
- constructions systems (kits)
- construction methods (uses of products)

2. Expresses product (system) characteristics and performance levels in technical language understood by the different actors

- users (designers, contractors)
- building authorities
- market surveillance authorities

3. Gives information needed by users in context with prevailing design and execution rules

- reliable / comparable declarations of performance
- compatible with prevailing regulations and rules for design and execution of works

The background is a deep blue with a subtle grid pattern. On the left, there is a stylized skylight or window opening. In the upper right corner, there is a horizontal band of orange and yellow, with several white stars scattered above it. More white stars are scattered across the blue background, particularly on the right side.

Thank you for your attention