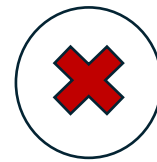


FACTSHEET B D **FR** F NL S**Enabler:****Disabler:** Only European and French specifications are accepted in France**Details (Maks 3 text lines):**

In France all individual materials as well as all combinations of materials must be tested even if well proven in other countries.

Enabler (arguments):

Existence of a regulatory framework supported by the administration and companies to test innovative products in the field of road construction (CIRR).

General standards such as FD P18-480, NF EN 206 (concrete specifications), NF EN 12620 (aggregates) and NF EN 934-2 (admixtures) are already in place to support the adoption of innovative materials in construction, as long as they meet the necessary performance requirements.

Disabler (arguments):

Lack of a specific regulatory framework for these bio-based binders including lignin and cooking oil residues. Potential concerns about the durability of these products. Emission of pollutants during the heating of bio-binders for road construction.

The use of bio-based materials like lignin and vegetable oils in cementitious materials is not strictly regulated yet.

Suggested alternative:

Standardized test procedure for all EU.

References:

[Construction Products Regulation \(CPR\) - European Commission \(europa.eu\)](#)

[Utilisation des normes enrobés à chaud : Guide technique - Cerema](#)

[Comité Innovation Routes et Rues \(CIRR\) | Cerema Infrastructures de transport et matériaux | Cerema](#)

NOTES

