

ECLA EUROPEAN CLASSIFICATION

B27N **MANUFACTURE BY DRY PROCESSES OF ARTICLES, WITH OR WITHOUT ORGANIC BINDING AGENTS, MADE FROM PARTICLES OR FIBRES CONSISTING OF WOOD OR OTHER LIGNOCELLULOSIC OR LIKE ORGANIC MATERIAL** (containing cementitious material [B28B](#); shaping of substances in a plastic state [B29C](#); fibreboards made from fibrous suspensions [D21J](#); drying [F26B17/00](#))

Note

This subclass does not cover treatment of compositions which are in a plastic state, or worked by the same type of process or apparatus as plastics, which is covered by subclass [B29B](#) or [B29C](#).

B27N1/00 Pretreatment of moulding material

- B27N1/00A . [N: for reducing formaldehyde gas emission]
- B27N1/00B . [N: for increasing resistance to swelling by humidity]
- B27N1/02 . Mixing the material with binding agent (mixing in general [B01F](#))
- B27N1/02B . . [Methods, e.g. characterised by the composition of the agent]
- B27N1/02C . . [N: in rotating drums]
- B27N1/02D . . [N: using rotating stirrers, e.g. the agent being fed through the shaft of the stirrer]
- B27N1/02D2 . . . [N: with the stirrers rotating about an horizontal axis, e.g. in consecutive casings ([B27N1/02D3](#) takes precedence)]
- B27N1/02D2B [N: with a single stirrer shaft]
- B27N1/02D3 . . . [N: with means for spraying the agent on the material before it is introduced in the mixer]
- B27N1/02F . . [N: by spraying the agent on the falling material, e.g. with the material sliding along an inclined surface, using rotating elements or nozzles ([B27N1/02D3](#) takes precedence)]
- B27N1/02G . . [N: by bringing the material into contact with a rotating roll provided with a layer of binding agent]
- B27N1/02H . . [N: Combinations of dissimilar mixers]
- B27N1/02K . . [N: Feeding; Proportioning; Controlling]

B27N3/00 Manufacture of substantially flat articles, e.g. boards, from particles or fibres

- B27N3/00B . [N: characterised by the type of binder (compositions of macromolecular compounds [C08L](#))] [N9712] [C9809]
- B27N3/00F . [N: and foam] [N9608]
- B27N3/00R . [N: and at least partly composed of recycled material] [N9608]
- B27N3/02 . from particles

- B27N3/04 . from fibres
- B27N3/06 . Making particle boards or fibreboards, with preformed covering layers, the particles or fibres being compressed with the layers to a board in one single pressing operation
- B27N3/08 . Moulding or pressing ([presses in general B30B](#))
- B27N3/08A . . [\[N: Agents for facilitating separation of moulds from articles\]](#)
- B27N3/08B . . [\[N: Presses with means for extracting or introducing gases or liquids in the mat\]](#)
- B27N3/10 . . Moulding of mats
- B27N3/12 . . . from fibres
- B27N3/14 . . . Distributing or orienting the particles or fibres
- B27N3/14A [\[N: Orienting the particles or fibres\]](#)
- B27N3/14B [\[N: Controlling mat weight distribution\]](#)
- B27N3/16 . . Transporting the material from mat moulding stations to presses ([B27N3/22 takes precedence](#)); Apparatus specially adapted for transporting the material or component parts therefor, e.g. cauls ([transport devices in general B65G](#))
- B27N3/18 . . Auxiliary operations, e.g. preheating, humidifying, cutting-off
- B27N3/18A . . . [\[N: Forming the mat-edges, e.g. by cutting\]](#)
- B27N3/18B . . . [\[N: Separating the cauls from the boards\]](#)
- B27N3/20 . . characterised by using platen-presses
- B27N3/20A . . . [\[N: with heating or cooling means\]](#)
- B27N3/20B . . . [\[N: for continuous boards\]](#)
- B27N3/22 . . . Charging or discharging
- B27N3/24 . . characterised by using continuously acting presses having endless belts or chains moved within the compression zone
- B27N3/26 . . characterised by using continuously acting presses having a heated press drum and an endless belt to compress the material between belt and drum
- B27N3/28 . . characterised by using extrusion presses
- B27N5/00 Manufacture of non-flat articles**
- B27N5/02 . Hollow articles
- B27N7/00 After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity**
- B27N7/00A . [\[N: Coating boards, e.g. with a finishing or decorating layer\]](#)
- B27N9/00 Arrangements for fireproofing ([fireproofing materials C09K21/00](#))**