

ECLA**EUROPEAN CLASSIFICATION****B28C**

PREPARING CLAY; PRODUCING MIXTURES CONTAINING CLAY OR CEMENTITIOUS MATERIAL, e.g. PLASTER ([preparing material for foundry moulds B22C5/00](#))

Note

In this subclass, the following terms or expressions are used with the meanings indicated:

- o "cement" or "mixtures of cement with other substance" includes plaster;
- o "clay" includes like ceramic compositions.

B28C1/00

Apparatus or methods for obtaining or processing clay ([filtration in general B01D](#); [separation of solids from solids B03](#), [B07](#); [chemical part C04B](#); by mining or quarrying [E21C41/16](#), [E21C41/26](#), [E21C47/10](#))

B28C1/00B

- . [N: Plant; Methods]

B28C1/00B2

- . . [N: Methods]

B28C1/02

- . for producing or processing clay suspensions, [N: e.g. slip] ([producing or processing suspensions in general B01](#))

B28C1/04

- . . Producing suspensions, e.g. by blunging [N: or mixing; with means for removing stones]

B28C1/06

- . . Processing suspensions [N: i.e. after mixing]

B28C1/08

- . . . Separating suspensions, e.g. for obtaining clay, for removing stones; [N: [Cleaning clay slurries](#)]

B28C1/08B

- [N: [Dewatering \(B28C1/08G takes precedence\)](#); Using sieves]

B28C1/08C

- [N: [De-aerating](#)]

B28C1/08F

- [N: [Washing](#)]

B28C1/08G

- [N: [by centrifugal force](#)]

B28C1/10

- . for processing clay-containing substances in non-fluid condition ([clay slurries B28C1/02](#)); [N: [Plants](#)]

B28C1/12

- . . Storing and conditioning in storage; Specially adapted storage spaces or devices for their filling or emptying; [N: [Tower structures for the storage of clay](#)] ([feeding clay to shaping apparatus B28B13/00](#))

B28C1/14

- . . specially adapted for homogenising, comminuting or conditioning clay in non-fluid condition or for separating undesired admixtures therefrom ([processes involving conversion to a slurry B28C1/02](#); [conditioning in storage B28C1/12](#); [comminuting in general B02C](#); [chemical features in eliminating iron or lime C04B](#))

B28C1/16

- . . . for homogenising, e.g. by mixing, kneading; [N: [forcing through slots](#)]

B28C1/18

- . . . for comminuting [N: [clay lumps](#)]

B28C1/18B

- [N: [by forcing the clay through screens or slots, e.g. using screw or rolls](#)]

B28C1/18B2

- [N: [on cylindrical or conical surfaces, e.g. on rotating drums](#)]

B28C1/18C

- [N: [using co-operating rotating elements, e.g. cutters](#)]

B28C1/20

- . . . for separating undesired admixed bodies, [N: e.g. stones]

- B28C1/20B [N: by forcing the clay through screens or slots, e.g. having exchangeable screens or slots]
- B28C1/20B2 [N: on cylindrical or conical surfaces, e.g. on rotating drums]
- B28C1/22 . . . combined with means for conditioning by heating, humidifying, or vacuum treatment, [N: by cooling, by sub-atmospheric pressure treatment]
- B28C1/22B [N: by moistening, e.g. by steam]
- B28C1/22C [N: by degassing, de-aerating]
- B28C1/22D [N: by heating, drying]

Guide heading: **Mixing clay or cement with other material** ([general arrangement or layout of plant B28C9/00](#); [mixers in general B01F](#); [concrete paving mixers combined with distributing devices E01C19/00](#); [machines for preparing mixtures of road-metal with bitumen E01C19/10](#))

Note

In groups [B28C3/00](#) to [B28C7/00](#), the following term is used with the meaning indicated:

- "mixing" includes preliminary mixing, e.g. of some of the ingredients final mixing, and agitating the mixture to prevent segregation thereof

B28C3/00 **Apparatus or methods for mixing clay with other substances** ([producing clay suspensions B28C1/02](#))

B28C5/00 **Apparatus or methods for producing mixtures of cement with other substances, e.g. slurries, mortars, porous or fibrous compositions** ([controlling the mixing apparatus and supplying the ingredients B28C7/00](#) [N: [separating cement from waste concrete B03B9/06D2](#)])

- B28C5/00B . [N: Methods for mixing ([B28C5/38B4](#), [B28C5/40B](#) take precedence)] [N9604]
- B28C5/00B3 . . [N: involving mechanical aspects] [N9604]
- B28C5/02 . without using driven mechanical means effecting the mixing ([B28C5/48](#) takes precedence)
- B28C5/02A . . [N: using a flexible mat or bag] [N1204]
- B28C5/02B . . [N: Mixing guns or nozzles; Injector mixers ([applying plaster by gas pressure E04F21/12](#); [both conveying and distributing concrete E04G21/04](#); [conveying concrete B65G53/32](#); [accelerating or decelerating material flow in troughs or tubes B65G53/58](#))] [C9904]
- B28C5/04 . . Gravitational mixing; Mixing by intermingling streams of ingredients ([N: [B28C5/02B](#) takes precedence]; [ingredients projected by fluid pressure B28C5/06](#))
- B28C5/06 . . the mixing being effected by the action of a fluid ([in combination with driven mechanical means, producing cellular concrete B28C5/38](#))
- B28C5/08 . using driven mechanical means affecting the mixing ([B28C5/40](#), [B28C5/42](#), [B28C5/48](#) take precedence; [in combination with the action of a fluid B28C5/38](#))
- B28C5/08A . . [N: Details; Accessories]
- B28C5/08A1 . . . [N: Drum mixer cover, e.g. lid] [N1204]
- B28C5/08A2 . . . [N: Charging or discharging gates or chutes; Sealing means]

B28C5/08A3	. . .	[N: Drum insulating means] [N1204]
B28C5/08A4	. . .	[N: Drives or drive systems, e.g. toothed racks, winches (B28C7/08H5B takes precedence)]
B28C5/08A4B	. . . .	[N: Drives for mixers of the tilted-drum type (B28C5/08A4D takes precedence)]
B28C5/08A4C	. . . .	[N: Drives for drums rotating about a horizontal axis and supported by rotating rollers (B28C5/08A4D takes precedence)]
B28C5/08A4D	. . . .	[N: Hydraulic drives]
B28C5/08A5	. . .	[N: Supporting frames or structures, e.g. supporting wheels]
B28C5/08B	. .	[N: Adaptations of mixing containers therefor, e.g. use of material, coatings]
B28C5/08D	. .	[N: Mixing apparatus in which a mixing container is hoisted along an inclined or vertical track during mixing to discharge at a higher level]
B28C5/08F	. .	[N: Mixing in separate stages involving different containers for each stage]
B28C5/08G	. .	[N: having a stator-rotor system with intermeshing teeth or cages]
B28C5/08J	. .	[N: provided with sieves or filters]
B28C5/08K	. .	[N: Mobile mixing devices, e.g. hanging]
B28C5/10	. .	Mixing in containers not actuated to effect the mixing
B28C5/12	. . .	with stirrers sweeping through the materials [N: ,e.g. with incorporated feeding or discharging means or with oscillating stirrers]
B28C5/12A	. . . .	[N: with means for elevating the stirrer, e.g. out of the containers]
B28C5/12B	. . . .	[N: Independent stirrer-drive units, e.g. portable or mounted on a wheelbarrow]
B28C5/12C	. . . .	[N: discontinuously operating mixing devices, e.g. with consecutive containers]
B28C5/12C2	. . . . .	[N: with pressure or suction means for discharging]
B28C5/12F	. . . .	[N: for materials flowing continuously through the mixing device and with incorporated feeding or discharging devices (feeding or discharging devices per se B28C5/08A2)]
B28C5/12F2	. . . . .	[N: with feeding devices (B28C5/12F5 , B28C5/12F6 take precedence)]
B28C5/12F3	. . . . .	[N: with discharging devices (B28C5/12F5 , B28C5/12F6 take precedence)]
B28C5/12F3B	. . . . .	[N: Applying pressure for discharging (applying pressure during mixing B28C5/46B)]
B28C5/12F4	. . . . .	[N: for making cellular concrete (in general B28C5/38B)]
B28C5/12F5	. . . . .	[N: with consecutive separate containers with rotating stirring and feeding or discharging means]
B28C5/12F5B	. . . . .	[N: having a feeding hopper and consecutive vertical or inclined mixing container fed at its upper part]
B28C5/12F6	. . . . .	[N: with rotating stirring and feeding or discharging means fixed on the same axis, e.g. in an inclined container fed at its lower part]
B28C5/14	. . . .	the stirrers having motion about a horizontal or substantially horizontal axis [N: (with feeding or discharging means B28C5/12)]
B28C5/14A	. . . . .	[N: with container tiltable or elevatable for emptying]
B28C5/14B	. . . . .	[N: the stirrer shaft carrying screw-blades]
B28C5/14B2	. . . . .	[N: for materials flowing continuously through the mixing device]
B28C5/14C	. . . . .	[N: with several mixing chambers arranged one after the other]
B28C5/14F	. . . . .	[N: with several stirrers with parallel shafts in one container (B28C5/14C)]

				takes precedence)]
B28C5/14F2	.	.	.	[N: the material being moved perpendicularly to the axis of the shafts]
B28C5/14G	.	.	.	[N: the stirrer shaft carrying a plurality of radially extending mixing bars]
B28C5/16	.	.	.	the stirrers having motion about a vertical or steeply inclined axis [N: (with feeding or discharging means B28C5/12)]
B28C5/16A	.	.	.	[N: in containers tiltable for emptying in containers with inclined axes]
B28C5/16J	.	.	.	[N: in annularly-shaped containers]
B28C5/16J2	.	.	.	[N: with stirrers having planetary motion]
B28C5/16K	.	.	.	[N: Pan-type mixers]
B28C5/16K1	.	.	.	[N: with stirrers having planetary motion]
B28C5/18	.	.		Mixing in containers to which motion is imparted to effect the mixing
B28C5/18A	.	.	.	[N: rotating about an inclined axis (about a steeply inclined axis B28C5/26)]
B28C5/18A2	.	.	.	[N: with rotating mixing tools]
B28C5/18A3	.	.	.	[N: Mobile or portable devices, e.g. on a wheelbarrow (B28C5/18B10 takes precedence)]
B28C5/18B	.	.	.	[N: Mixers of the tilted-drum type, e.g. mixers pivotable about an axis perpendicular to the axis of rotation for emptying]
B28C5/18B1	.	.	.	[N: to be mounted on a tractor]
B28C5/18B2	.	.	.	[N: provided with feeding means, e.g. hoisting skips (B28C5/18B1 , B28C5/18B5 , B28C5/18B8 take precedence)]
B28C5/18B3	.	.	.	[N: having several drums]
B28C5/18B5	.	.	.	[N: having driven stirrers, e.g. driven from underneath]
B28C5/18B8	.	.	.	[N: Details or parts, e.g. drums (drives B28C5/08A4)]
B28C5/18B8B	.	.	.	[N: Construction of drum, e.g. provided with mixing blades]
B28C5/18B8B2	.	.	.	[N: with mixing elements held stationary]
B28C5/18B8C	.	.	.	[N: Tilting means; Locks or brakes therefor]
B28C5/18B9	.	.	.	[N: the mixing drums being tilted otherwise than about a fixed axis perpendicular to the axis of rotation of the drum, e.g. by means of a set of links (B28C5/08B1 , B28C5/08B3 , B28C5/08B5 , B28C5/08B10 take precedence)]
B28C5/18B10	.	.	.	[N: Mobile or portable devices, e.g. for use by do-it-yourself enthusiasts]
B28C5/18C	.	.	.	[N: the mixing drum being rotated by pulling it over the ground; the mixing drum or the stirrer being driven by movement of the wheel of a vehicle]
B28C5/20	.	.	.	rotating about a horizontal or substantially horizontal axis during mixing, e.g. without independent stirrers
B28C5/20C	.	.	.	[N: with multi-compartment drums]
B28C5/20G	.	.	.	[N: Transportable containers, e.g. on a wheelbarrow, to be fixed totally or partly in a mixer, e.g. for rotation therewith]
B28C5/20H	.	.	.	[N: using spiral-shaped mixing drums]
B28C5/20J	.	.	.	[N: with the material travelling through the mixer, the discharge being opposite the feed inlet (B28C5/20P4 , B28C5/22 , B28C5/24 take precedence)]
B28C5/20P	.	.	.	[N: Parts or components (drives B28C5/08A4)]
B28C5/20P2	.	.	.	[N: Drums, e.g. provided with non-rotary mixing blades (B28C5/20C takes precedence)] [C9506]

B28C5/20P2B	. . . . .	[N: Drums consisting of axially displaceable halves; Drums having discharging opening on their cylindrical part, e.g. the drum rotating in opposite direction for mixing or for discharging; Drums having a cylindrical part not being a surface of revolution] [N9506]
B28C5/20P4	. . . . .	[N: Feeding or discharging mechanisms] [N9506]
B28C5/20P4B	. . . . .	[N: Chutes pivotable about an axis parallel to the plane of the inlet or outlet opening] [N9506]
B28C5/20P4C	. . . . .	[N: Chutes rotatable about an axis parallel to the drum axis] [N9506]
B28C5/22	. . . . .	with stirrers held stationary, [N: e.g. the material forming a ring zone by centrifugal force]
B28C5/24	. . . . .	with driven stirrers
B28C5/26	. . . . .	rotating about a vertical or steeply inclined axis during the mixing, [N: e.g. comprising a flat bottomplate rotating about a vertical axis, co-operating with blades or stirrers]
B28C5/28	. . . . .	without independent stirrers
B28C5/30	. . . . .	with stirrers held stationary
B28C5/32	. . . . .	with driven stirrers
B28C5/32B	. . . . .	[N: with several stirrer shafts]
B28C5/34	. . . . .	Mixing on or by conveyers [N: e.g. by belts or chains provided with mixing elements]
B28C5/36	. . . . .	Endless-belt mixers [N: i.e. for mixing while transporting the material on an endless belt, e.g. with stationary mixing elements]
B28C5/36B	. . . . .	[N: Mixing with driven mixing elements while transporting the mixture on an endless belt]
B28C5/38	. . . . .	wherein the mixing is effected both by the action of a fluid and by directly-acting driven mechanical means, e.g. stirring means; [N: Producing cellular concrete]
B28C5/38B	. . . . .	[N: Producing cellular concrete (B28C5/12F4 takes precedence; producing foam B01F3/04C3 , B01F3/04P2)] [C9604]
B28C5/38B3	. . . . .	[N: comprising stirrers to effect the mixing]
B28C5/38B3C	. . . . .	[N: Stirrers specially adapted therefor]
B28C5/38B4	. . . . .	[N: Plants; Systems; Methods]
B28C5/38B4B	. . . . .	[N: Methods]
B28C5/40	. . . . .	Mixing specially adapted for preparing mixtures containing fibres
B28C5/40B	. . . . .	[N: Methods]
B28C5/40C	. . . . .	[N: Pre-treatment of fibres]
B28C5/40C2	. . . . .	[N: and mixing with binding material] [N9604]
B28C5/40F	. . . . .	[N: by spraying fibres and binding material] [N9604]
B28C5/42	. . . . .	Apparatus specially adapted for being mounted on vehicles with provision for mixing during transport ([N: B28C5/18C takes precedence; mounted on a wheelbarrow B28C5/12B , B28C5/18A3 , B28C5/20G ;] vehicle aspect B60P3/16)
B28C5/42A	. . . . .	[N: Details; Accessories]
B28C5/42A1	. . . . .	[N: Control apparatus; Drive systems, e.g. coupled to the vehicle drive-system]
B28C5/42A1B	. . . . .	[N: Drives (in general B28C5/08A4)]
B28C5/42A1B2	. . . . .	[N: Hydraulic drives (B28C5/42A1B3 takes precedence)]

B28C5/42A1B3	. . . . .	[N: Drives in combination with drum mountings; Drives directly coupled to the axis of rotating drums]
B28C5/42A1C	. . . . .	[N: Controlling or measuring devices (B28C5/42A1F takes precedence)]
B28C5/42A1C1	. . . . .	[N: Roll-over prevention] [N1204]
B28C5/42A1F	. . . . .	[N: Transmission control mechanisms]
B28C5/42A2	. . . . .	[N: Proportioning or supplying water (in general B28C7/12)]
B28C5/42A3	. . . . .	[N: Charge or discharge systems therefor]
B28C5/42A3B	. . . . .	[N: Charging, e.g. hoppers]
B28C5/42A3B2	. . . . .	[N: having self-charging means, e.g. skips, scoops or buckets, picking up the material from the ground]
B28C5/42A3C	. . . . .	[N: Discharging; Concrete conveyer means, chutes or spouts therefor (in general B28C7/16D6)]
B28C5/42A3C2	. . . . .	[N: using chutes (combined with transporting belts B28C5/42A3C3 , combined with pumps or screws B28C5/42A3C4)]
B28C5/42A3C2B	. . . . .	[N: telescopic or foldable chutes]
B28C5/42A3C3	. . . . .	[N: using transporting belts, e.g. mounted on a foldable frame]
B28C5/42A3C4	. . . . .	[N: using pumps or transporting screws]
B28C5/42A4	. . . . .	[N: Closures; Sealing mechanisms (B28C5/42A3B takes precedence)]
B28C5/42A6	. . . . .	[N: Mounting means for drums; Support frames]
B28C5/42A7	. . . . .	[N: Drums, e.g. provided with non-rotary mixing blades (drums for concrete mixers with horizontal axis B28C5/20P2)]
B28C5/42B	. . . . .	[N: with rotating drum rotating about a horizontal or inclined axis, e.g. comprising tilting or raising means for the drum (B28C5/42D takes precedence)]
B28C5/42B2	. . . . .	[N: with a drum rotating about a horizontal axis, e.g. perpendicular to the longitudinal axis of the vehicle]
B28C5/42D	. . . . .	[N: with rotating drum and independently-rotating mixing tools]
B28C5/42F	. . . . .	[N: with moving mixing tools in a stationary container]
B28C5/42F2	. . . . .	[N: with mixing screw-blades]
B28C5/42F3	. . . . .	[N: with stirrers rotating about a vertical axis]
B28C5/42F4	. . . . .	[N: with reciprocating or oscillating stirrers (in general B28C5/12D)]
B28C5/42G	. . . . .	[N: mounted on a tractor or on a tractor wheel (for tilted-drum type mixers B28C5/18B1 ; charging thereof B28C5/42A3B)]
B28C5/44	. . . . .	Apparatus specially adapted for drive by muscle power
B28C5/46	. . . . .	Arrangements for applying super- or sub-atmospheric pressure during mixing; Arrangements for cooling or heating during mixing, [N: e.g. by introducing vapour]
B28C5/46B	. . . . .	[N: Mixing at sub- or super-atmospheric pressure (B28C5/12F3B takes precedence)]
B28C5/46B2	. . . . .	[N: at sub-atmospheric pressure]
B28C5/46C	. . . . .	[N: Heating, e.g. using steam]
B28C5/46D	. . . . .	[N: Cooling, e.g. using ice]
B28C5/48	. . . . .	wherein the mixing is effected by vibrations (mixers with vibrating mechanisms in general B01F11/00)
B28C5/48B	. . . . .	[N: with reciprocating or oscillating stirrers; Stirrers therefor (B28C5/42F4 takes precedence)]

B28C7/00	Controlling the operation of apparatus for producing mixtures of clay or cement with other substances; Supplying or proportioning the ingredients for mixing clay or cement with other substances; Discharging the mixture [N: (B28C5/42 takes precedence; feeding material in general B65G; proportioning in general G01F, G01G; controlling in general G05)]
B28C7/00A	. [N: Pretreatment of the ingredients, e.g. by heating, sorting, grading, drying, disintegrating; Preventing generation of dust]
B28C7/00A1	. . [N: Tagging of the ingredients, e.g. by using ingredient identification means like RFID or labels] [N1204]
B28C7/00A2	. . [N: by heating or cooling (during mixing B28C5/46)]
B28C7/00A2B	. . . [N: Heating, e.g. using steam]
B28C7/00A2C	. . . [N: Cooling, e.g. using ice]
B28C7/00B	. [N: Storage or weighing apparatus for supplying ingredients (B28C7/04 takes precedence)]
B28C7/00B1	. . [N: Storage containers, e.g. hoppers, silos, bins (B28C7/00B2 takes precedences)]
B28C7/00B1B	. . . [N: Storage container plant]
B28C7/00B1C	. . . [N: having compartments]
B28C7/00B1D	. . . [N: Parts or details thereof, e.g. opening, closing or unloading means]
B28C7/00B2	. . [N: Storage containers or silos mounted on, or specially adapted for transport by, vehicles; Means for erecting containers or silos]
B28C7/00B6	. . [N: Stationary storage means having elements to divide the ground in sectors]
B28C7/02	. Controlling the operation of the mixing
B28C7/02B	. . [N: by measuring the consistency or composition of the mixture, e.g. with supply of a missing component]
B28C7/02B2	. . . [N: by measuring properties of the mixture, e.g. moisture, electrical resistivity, density]
B28C7/02B3	. . . [N: by measuring data of the driving system, e.g. rotational speed, torque, consumed power]
B28C7/02D	. . [N: by counting the number of revolutions performed, or by measuring the mixing time]
B28C7/04	. Supplying or proportioning the ingredients [N: (B28C7/02B takes precedence; forming a predetermined ratio of the components to be mixed, in general B01F15/04)]
B28C7/04B	. . [N: Proportioning]
B28C7/04B2	. . . [N: taking regard of the moisture content of the solid ingredients; Moisture indicators]
B28C7/04B3	. . . [N: two or more flows in predetermined ratio]
B28C7/04B4	. . . [N: control systems therefor]
B28C7/04C	. . [N: Weighing predetermined amounts of ingredients, e.g. for consecutive delivery]
B28C7/04C1	. . . [N: using a charging-skip, to be hoisted or tilted, provided with weight-indicating means]
B28C7/04C2	. . . [N: using a weighing belt or the like]
B28C7/04C4	. . . [N: Weighing means specially adapted for use in batching plants]

B28C7/04C5	. . .	[N: Weighing mechanisms specially adapted therefor; Weighing containers (other containers B28C7/00B)]
B28C7/04C6	. . .	[N: using a weighing receptacle, the feeding thereof being automatically suspended after a predetermined weight has been obtained (B28C7/04C7 takes precedence)]
B28C7/04C7	. . .	[N: using a weighing receptacle movable between several positions, e.g. moving vertically, horizontally or rotating about an axis (B28C7/04C1 takes precedence)]
B28C7/04D	. .	[N: Volumetric measuring devices, e.g. for consecutively delivering predetermined volumes of ingredients]
B28C7/04D1	. . .	[N: the ingredients being first supplied into measuring chambers, e.g. containers or skips]
B28C7/04D1B	. . . .	[N: Measuring chambers or containers therefor (other containers B28C7/00B)]
B28C7/04D1C	. . . .	[N: the measuring chambers being provided on a rotating drum]
B28C7/04D2	. . .	[N: for continuous feeding, e.g. by controlling the velocity of a transporting belt or the thickness of the ingredients on the belt or by regulating the outlet of a hopper (B28C7/04D3 takes precedence)]
B28C7/04D3	. . .	[N: by using conveyer screws]
B28C7/04P	. .	[N: Plant for proportioning, supplying or batching (B28C7/04C4 , B28C7/08D take precedence; plant in general B28C9/00)]
B28C7/04P2	. . .	[N: the plant being mobile]
B28C7/04P2B	. . . .	[N: and broken-down for transport]
B28C7/04P2B2	. . . . .	[N: with a frame carrying the supplying, proportioning or batching elements, movable between a horizontal transport position and an inclined working position]
B28C7/06	. .	Supplying the solid ingredients, e.g. by means of endless conveyers or jiggling conveyers
B28C7/06A	. . .	[N: from stationary storage means having elements for dividing the ground sectorially (B28C7/08D takes precedence)]
B28C7/06B	. . .	[N: with a pneumatic or hydraulic conveyer]
B28C7/06D	. . .	[N: Supply from sacks; Sack openers]
B28C7/06F	. . .	[N: with a pivotable charging-bin (B28C7/06H takes precedence)]
B28C7/06G	. . .	[N: by means of stationary hoppers, chambers or bins from which the material is fed gravitationally, e.g. having agitating means therein (hoppers or bins per se B28C7/00B1)]
B28C7/06H	. . .	[N: having means to elevate or hoist a charging-bin or container]
B28C7/08	. . .	by means of scrapers or skips
B28C7/08B	. . . .	[N: by means of a barrow or the like]
B28C7/08D	. . . .	[N: from stationary storage means having elements for dividing the ground sectorially]
B28C7/08F	. . . .	[N: on an endless chain]
B28C7/08G	. . . .	[N: using manually-operated cable-pulled drag shovels (B28C7/08H2 takes precedence)]
B28C7/08G2	. . . . .	[N: using reciprocating cable-suspended drag shovels]
B28C7/08H	. . . .	[N: using skips to be hoisted along guides or to be tilted, to charge working-site concrete mixers (proportioning by means of a skip B28C7/04C1 , B28C7/04D1)]

B28C7/08H2	. . . . .	[N: having mechanisms to fill the skip in its lowest position, e.g. by drag shovels, from a hopper]
B28C7/08H3	. . . . .	[N: the skips being hoisted along vertical or inclined guides]
B28C7/08H3B	. . . . .	[N: and being tilted in their upmost position for discharging them at their upper side]
B28C7/08H4	. . . . .	[N: the skips being tilted (B28C7/08H3B takes precedence)]
B28C7/08H4B	. . . . .	[N: about a fixed axis]
B28C7/08H5	. . . . .	[N: Parts; Accessories, e.g. safety devices]
B28C7/08H5B	. . . . .	[N: Drives therefor, e.g. winches, hydraulic drives]
B28C7/08H5C	. . . . .	[N: Skips]
B28C7/08H5D	. . . . .	[N: Vibration devices, e.g. for facilitating the emptying of the skips]
B28C7/08P	. . . . .	[N: Parts, e.g. winches]
B28C7/10	. . .	by means of rotary members [N: ,e.g. inclinable screws]
B28C7/12	. .	Supplying or proportioning liquid ingredients
B28C7/12A	. . .	[N: by means of a measuring chamber, e.g. container]
B28C7/12A2	. . . .	[N: for use with a skip]
B28C7/12B	. . .	[N: Supply means, e.g. nozzles]
B28C7/12B2	. . . .	[N: Nozzles; Valves; Valve-actuating means]
B28C7/14	. .	Supply means incorporated in, or mounted on, mixers
B28C7/16	. .	Discharge means, [N: e.g. with intermediate storage of fresh concrete]
B28C7/16B	. .	[N: with storage reservoirs for temporarily storing the fresh concrete; Charging or discharging devices therefor]
B28C7/16D	. .	[N: by means of conveyers, other than those comprising skips or containers, e.g. endless belts, screws, air under pressure]
B28C7/16D2	. . .	[N: using a pump]
B28C7/16D2B	. . . .	[N: using a fluid, e.g. gas (B28C5/06 , B28C5/12F3B take precedence)]
B28C7/16D2B2	. . . . .	[N: comprising a lock rotor with pockets for feeding determined quantities of material from a hopper into the driving fluid]
B28C7/16D4	. . .	[N: by means of a screw conveyer]
B28C7/16D6	. . .	[N: Discharging chutes for concrete mixers]
B28C9/00		General arrangement or layout of plant [N: (B28C7/00B1B , B28C7/04P take precedence)]
B28C9/00B	. .	[N: Mixing systems, i.e. flow charts or diagrams; Making slurries; Involving methodical aspects; Involving pretreatment of ingredients; Involving packaging]
B28C9/00B2	. .	[N: Making slurries, e.g. with discharging means for injecting in a well or projecting against a wall]
B28C9/00C	. .	[N: comprising a multicompartment silo with the mixing device, e.g. a mixing screw, fitted directly at the underside of the silo, e.g. with proportioning means at the exit of the silo]
B28C9/00D	. .	[N: Plant adapted for mixing materials lying on the ground, e.g. in sectors (B28C9/04D takes precedence)]

- B28C9/02 . for producing mixtures of clay or cement with other materials
- B28C9/04 . the plant being mobile, [N: e.g. mounted on a carriage or a set of carriages] (B28C5/42, [N: B28C9/00B2, B28C9/00C] take precedence)
- B28C9/04B . . [N: and broken-down for transport (B28C9/04D2 takes precedence)]
- B28C9/04B2 . . . [N: with a storage silo movable between a horizontal transport position and a vertical working position]
- B28C9/04B3 . . . [N: with a frame carrying the supplying and mixing elements movable between a horizontal transport position and an inclined working position]
- B28C9/04D . . [N: Plant adapted for mixing material lying in sectors on the ground]
- B28C9/04D2 . . . [N: and broken-down for transport]
- B28C9/04F . . [N: Self-contained units, i.e. mobile plants having storage containers for the ingredients (B28C9/04G, B28C9/04H take precedence)]
- B28C9/04F2 . . . [N: with a mixing discharge trough with a free end, e.g. provided with a mixing screw or pivotable about a vertical or horizontal axis]
- B28C9/04G . . [N: provided with two or more carriages for storing the ingredients or for the mixing device, e.g. transportable on rails]
- B28C9/04H . . [N: with means for loading the material from ground level to the mixing device, e.g. with an endless conveyer or a charging skip (B28C9/04D takes precedence)]
- B28C9/04H2 . . . [N: with at least a storage compartment for one of the ingredients]