



Plants

ColdMix

Mobile/Semi-mobile and stationary plants

With productive capacity of 130–400 t/h

ColdMix 130 – 400 t/h

Flexible, pure and simple: The continuous cold mixing plant

Both mobile and stationary

The ColdMix is a compact, extremely efficient cold mixing plant. Due to rising fuel prices and tougher environmental regulations, this method of mixed material production is becoming increasingly popular. Asphalt with foamed bitumen, emulsion-based cold asphalt and also hydraulically-bonded bearing layers can be manufactured with a cold mix.

Benefits at a glance

- Compact and continuous plant with excellent mixing performance and asphalt quality.
- Low-cost transport with just a few transport units
- Modular plant concept with steel frame foundations
- Can be moved with your own resources (staff, transport and lifting gear)



The ColdMix 130–400 is available as a mobile plant or, in this example, as a stationary plant with a capacity of up to 400 t/h.



Cold-mix asphalt with bitumen foam

“Foam Asphalt”, as it is known, has become much more popular in recent years. This is a simple and highly effective method of producing cold asphalt. Water is sprayed through nozzles into the hot bitumen under pressure. The water expands explosively when the pressure is released, resulting in a fine bitumen foam that can easily be used to coat the cold aggregate substances. The quality of the cold mix can be influenced as desired by adding RA and cement. This mix is laid conventionally with finishers.

Cold-mix asphalt with emulsion

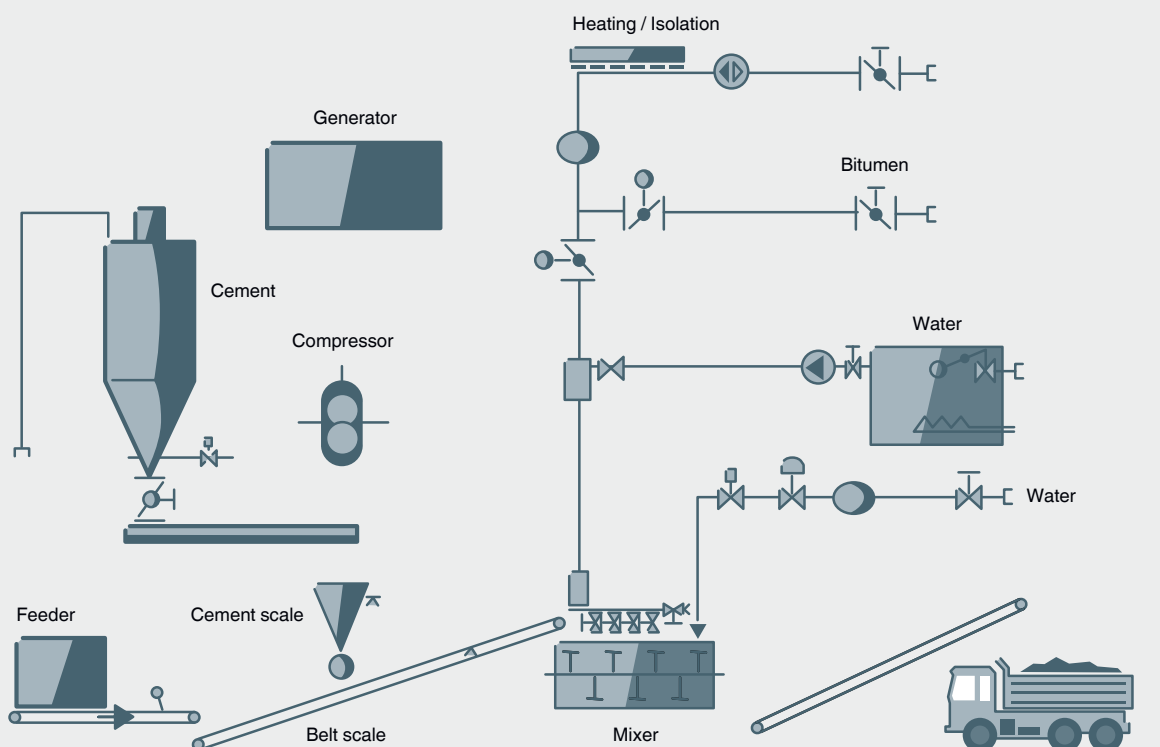
Bitumen emulsion can be mixed with virgin material and recycled asphalt to produce bitumen-bonded base courses. Although the aggregates do not have to be heated, the use of the emulsion achieves adequate wetting of the aggregates with the bitumen. The strength achieved in this way is adequate for the requirements of a high-quality base course.

Hydraulically bound base courses

New aggregates, water and cement are the ingredients for hydraulically bonded base courses. These are produced directly on site with the ColdMix I and are brought to the site with the finisher.

“The ColdMix continuously produces up to 400 t/h, regardless of whether it is hydraulically-bonded bearing layers, cold mixed material with emulsion or foamed bitume.”

Flow diagram ColdMix



High flexibility: Mobile version

For total flexibility, we recommend the mobile ColdMix with an output of 130–200 t/h. Where rapid re-location is necessary or crane availability is a problem, this is the solution.

Technical short info ColdMix 130–200	
Version	Mobile
Plant type	130–200
Transport dimensions	Length without prime mover 13350 mm Length with prime mover approx. 17550 mm Width 2550 mm Height 4000 mm Weight without prime mover 25300 kg



Easy to operate and low-maintenance.



The mobile cold-mix asphalt plant can be easily established close to the construction site. Due to the resultant reduced transport distance, delivered costs are kept to a minimum. The possibility of adding high percentages of recycled material is a further cost reducing advantage.

ColdMix 130–200 t/h | ColdMix 130–400 t/h

Plant type	130–200	130–400
Generator power	116,5 kW	–
Operating voltage	400/230 V	400/230 V
Fuel consumption at full load	30,2 l/h	–
Content cold feeders	8 m ³	4 × 20 m ³
Injection width / Feed height	3300 mm / 3900 mm	4000 mm / 4100 mm
Cement scale	160 kg	400 kg
Cement differential weighing	1,3–11 t/h	2–40 t/h
Bitumen foam addition	Frequency-controlled pump and coriolis mass flow metre: 3,9 up to 11 t/h	–
Transport dimensions (without/with truck) Weight	Length: 13350 mm/17550 mm Width: 2550 mm Height: 4000 mm Weight without truck: 25300 kg	Standard container dimensions
Water feed for concrete with control valve and magnetic-inductive flow-metre	1,0 up to 12 m ³ /h	5 up to 40 m ³ /h
For bitumen foam with duoblock water softener, 1000 L tank and frequency-controlled pump	78 up to 550 kg/h	–
Type mixer	Amix twin-shaft paddle mixer with mix dwell time for filling level	
Mixer size	1,75 t	4 t
Continual plant capacity	130–200 t/h	200–400 t/h
Drive	45 kW	2 × 45 kW
Delivery belt	For loading on trucks or for stockpile production	
Options	–	<ul style="list-style-type: none"> • Hot mix storage silo 40 t • Bitumen foam generator



Australia: Ammann Australia Pty. Ltd. | Narangba 4504

Austria: Ammann Austria GmbH | 4113 St. Martin im Mühlkreis

Brazil: Ammann do Brasil | CEP: 94180-452 Gravataí/RS

Bulgaria: Ammann Bulgaria | 1700 Sofia

China: Ammann Construction Machinery Shanghai Co. Ltd. | Shanghai 201700

Czech Republic: Ammann Czech Republic a.s. | 54901 Nové Město nad Metují

Ammann Asphalt GmbH | 60200 Brno

France: Ammann France SAS | 94046 Créteil/Cedex

Germany: Ammann Asphalt GmbH | 31061 Alfeld (Leine)

Ammann Verdichtung GmbH | 53773 Hennef

Ammann Elba Beton GmbH | 76275 Ettlingen

India: Ammann Apollo India Private Ltd. | Ahmedabad 380 009

Indonesia: Ammann South East Asia | Jakarta 11530

Italy: Ammann Italy S.p.A. | 37012 Bussolengo

Kazakhstan: Ammann Kazakhstan LLP | Almaty 050051

Netherlands: Ammann Benelux B.V. | 7730 SK Ommen

Poland: Ammann Polska sp.z.o.o. | 02-230 Warszawa

Romania: Ammann Group Romania S.R.L. | 077125 Magurele

Russia: Ammann Russia o.o.o. | 127 473 Moscow

Singapore: Ammann Singapore Pte. Ltd. | 307591 Singapore

Spain: Ammann Iberia S L | Madrid

South Africa: Ammann Construction Machinery South Africa | Benoni 1500

Sweden: Ammann Scandinavia | 211 20 Malmö

Switzerland: Ammann Switzerland Ltd. | 4901 Langenthal

Avesco AG | 4901 Langenthal

Turkey: Ammann Teknomak A.S. | Ankara 06370

Ukraine: OOO Ammann Ukraine | 03150 Kiev

United Arab Emirates: Ammann NME FZE | Dubai

United Kingdom: Ammann UK Ltd. | Warwickshire CV37 0TY

USA: Ammann America Inc. | Ponte Vedra | Florida 32082

Detailed information can be found at: www.ammann-group.com

