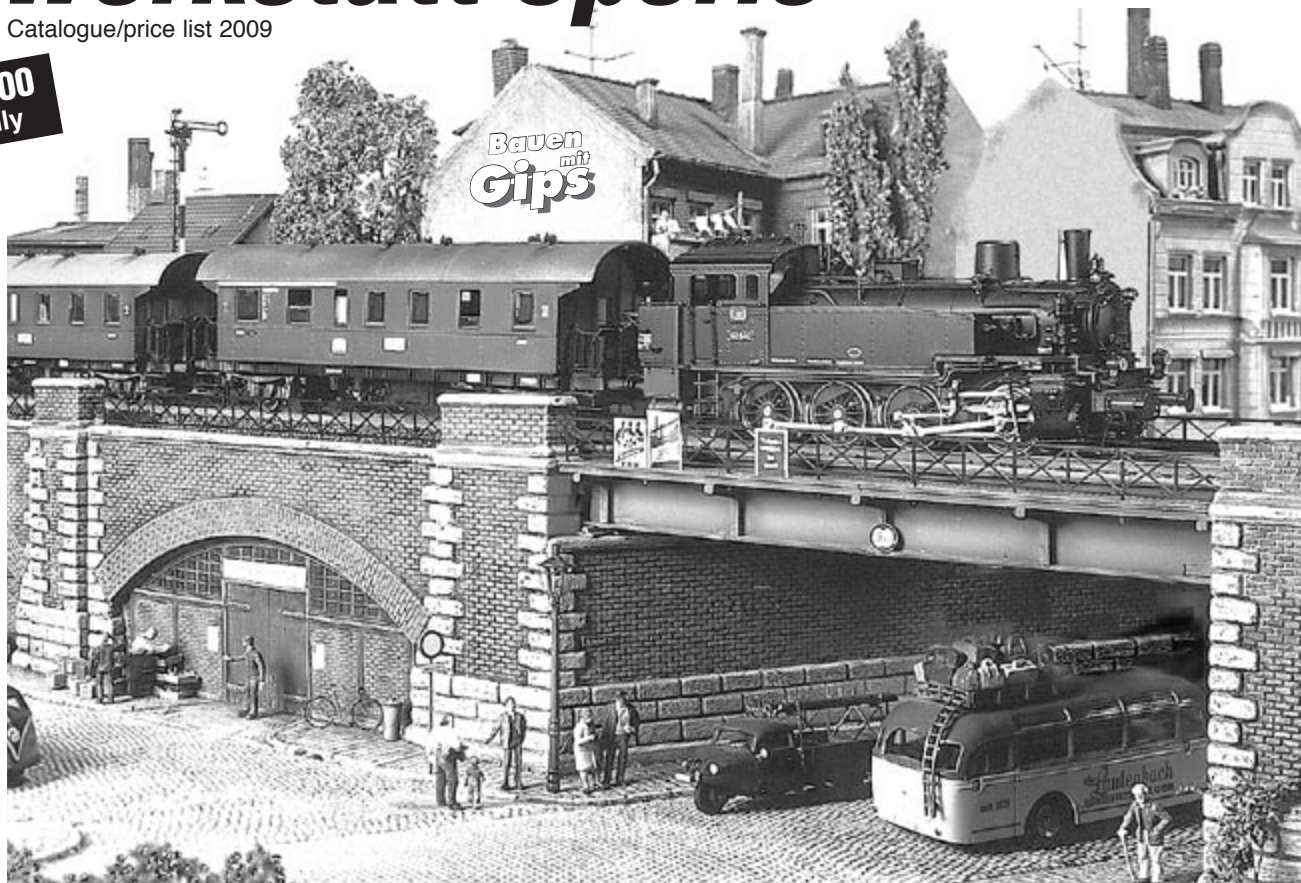


# Werkstatt Spörle

Catalogue/price list 2009

**H0/00  
only**

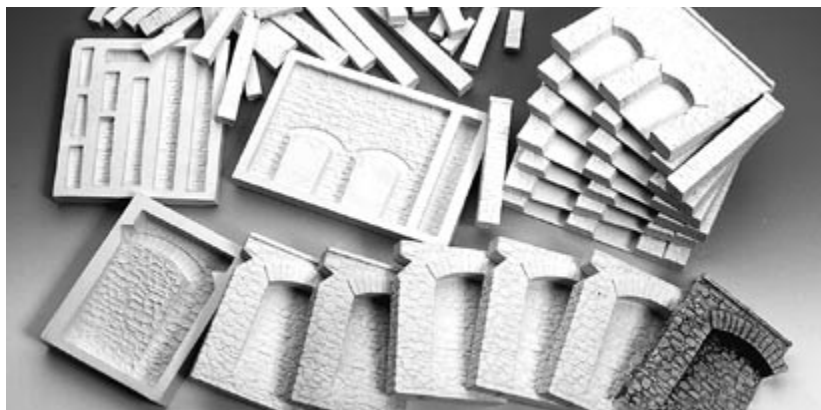


Urban viaduct „Bilk“ 4000 with underpass, made of plaster, using moulds 4010, 4013, 4020

## Model construction moulds H0/00 <sup>scale</sup>

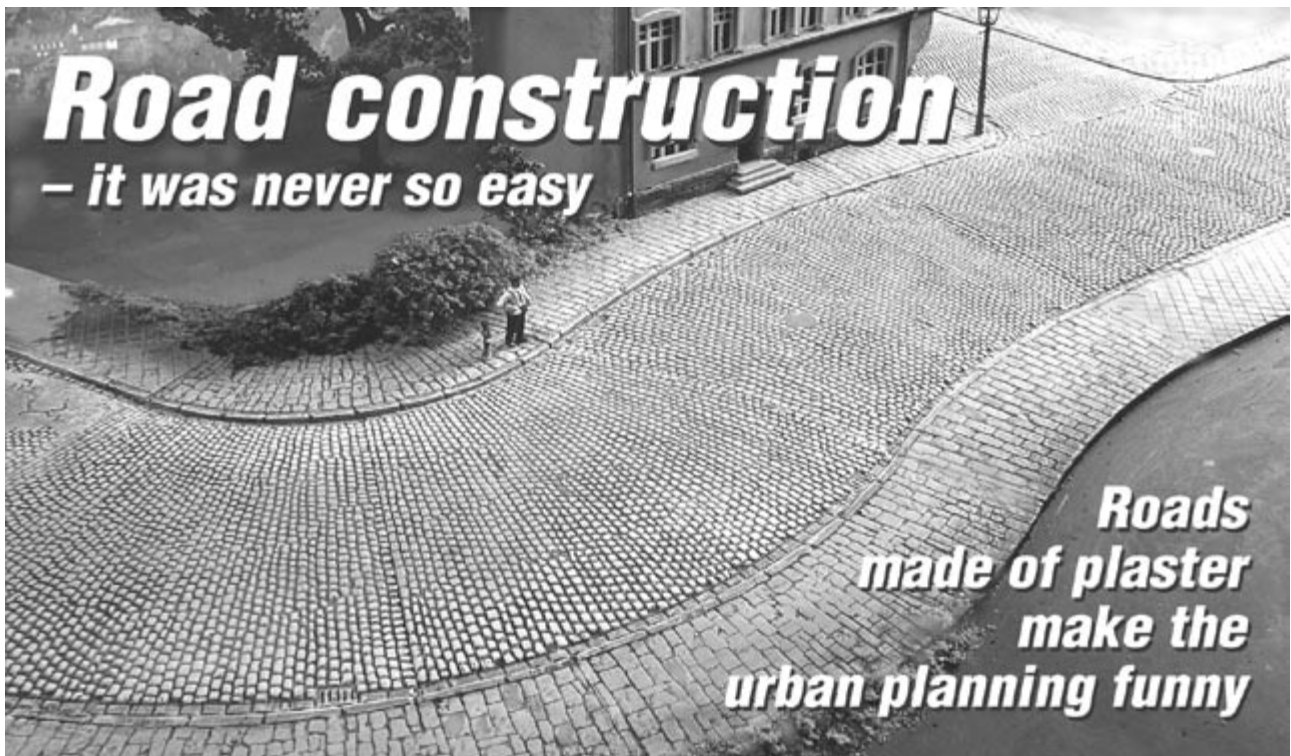
Scratch building is time consuming. Nevertheless to create own ideas is one of the highest targets for model railroaders. Rubber moulds will help you to make it. Using it will offer new chances and will save your time. Working with moulds permit efficient working methods and finest details. The duplication is easy, quick and low-priced, especially if you will share the moulds with your hobby friends. During construction mostly only a few parts are to be fixed together.

Plaster is cheap and dries quickly. It is easy to work on and to modify by scraping, carving and engraving. Also painting is a pleasure. The moulds are handmade of high-grade white silicone rubber. Elasticity and shape will be remain for decades. Due to the realistic impression, plaster is the best choice for the creation of natural stone and concrete. With plaster and silicone rubber moulds you will create your model world amazingly quick and impressive realistic ...



Supporting wall and pillar cast sheets made from moulds 6020, 6404 and 6405

**Road Construction System**  
**Cobblestone and Tar**  
**Freight Station Ramps**  
**Platform Program**  
**Tunnel, Walls and Pillars**  
**Retaining Walls**  
**Urban Viaduct**  
**Concrete Structures**  
**Yard- and Factory Walls**  
**Townscape with**  
**Suburban House**  
**Extension Units**  
**Workshop**  
**Background Front**  
**Relief Facades**



Up to now it was difficult to create realistic streets on our model railroads. Especially the vaulted road surface was not easy to realise. And what about cobblestone surface on curved streets?

From now on you can build your part of town and your station district in exemplary manner – using plaster moulds for vaulted roads even with curves – piece by piece realistic and with high details:

**Vaulted road surface, impressive cobblestone pavement, old fissured tar surface, narrow and wide curves, road crossings and junctions, sidewalks suitable to the road curves, gutter, drain lids, lowered curbstone edges in front of the gateway...**



Above: Cobblestone road built with large radius casts from mould 1023 and sidewalk mould 1073 or 1075. Rough cast walls from mould 7024.

## Road Construction

For testing and planning put the plaster sheets for roads and sidewalks dry together. This will help you to find interesting ideas for your road planning and will improve your total layout design.

Streets are 88 mm wide, sidewalks 30 mm. Two-way traffic with model cars is possible, even if cars are parking at one side of the road. Road and sidewalk sheets will be placed together and side by side. For the construction of road crossings and gateways

use the cast sheets of the moulds 1083 or 1085. Together with the sidewalks 1060 or 1061 you easily make convincing road crossings.

Due to the vaulted road surface you need the mould 1005 for the construction of flat places with cobblestone.

Take care that the ground where to fix the plaster sheets is absolutely flat. If the height of the sheets fits together, there will be no visible joint. Different high edges are difficult to adjust.

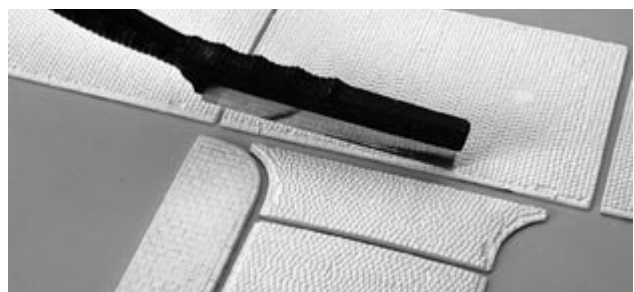
### Working with plaster, gluing and engraving

Plaster is easy to work with. Especially in moist condition it is easy to grind, to scrape, to carve, to graze and to engrave. Already dry sheets should be moistened again. But be careful: They are brittle again!

To stick the sheets together use white glue or elastic glue. With "Express" white glue the repair of broken cast sheets is easy. Broken parts should be a little bit moisten before sticking together. After painting



Left and below: Road construction with plaster casts doesn't take much. Only a few adjustments are necessary.



crack parts and the place were two cobblestone road sheets are put together are hardly visible.

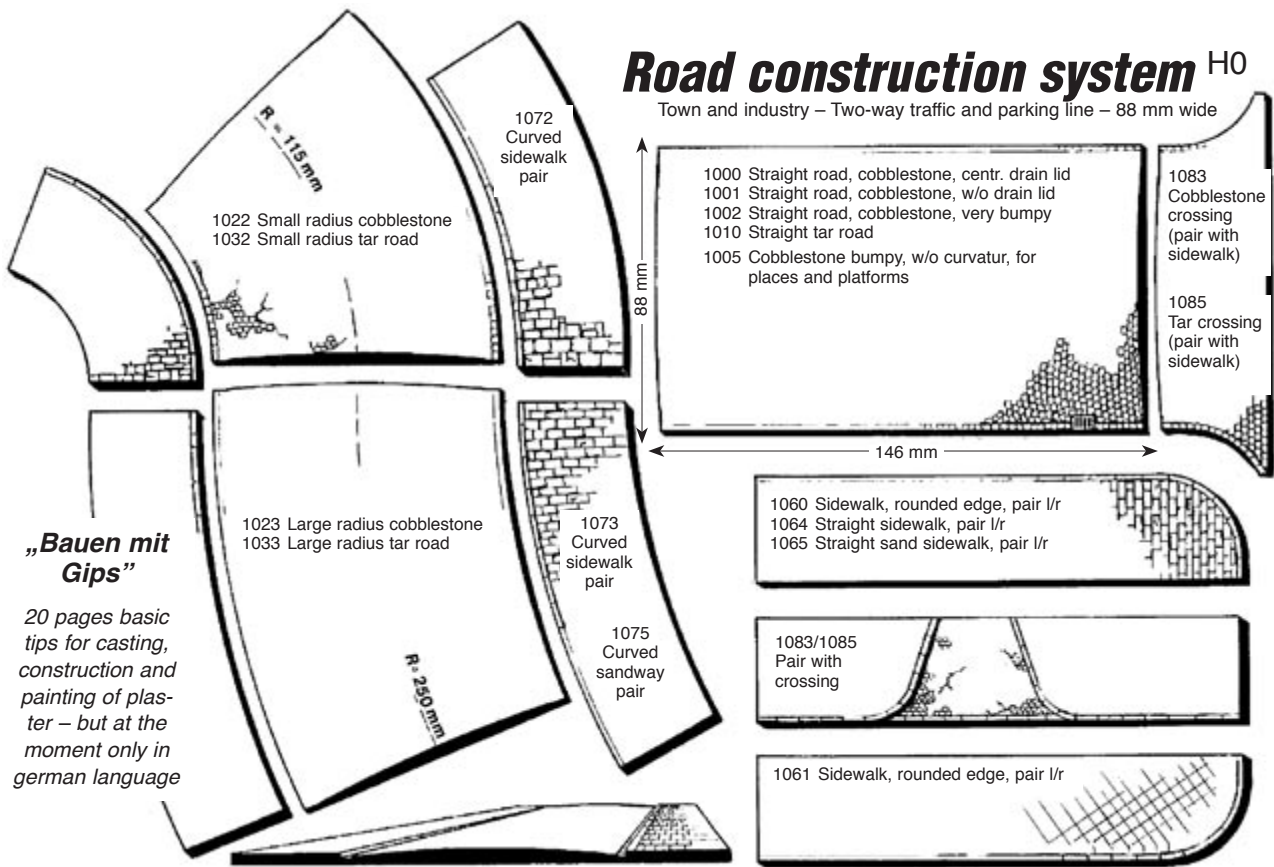
To put seamless together two pieces of plaster sheets, first rub them together on a

flat ground at their edges.

For more tips see basic instruction „Bauen mit Gips“ (Build with plaster) – tips for casting, construction and painting – but at the moment only in german language.

# Road construction system HO

Town and industry – Two-way traffic and parking line – 88 mm wide



## „Bauen mit Gips“

20 pages basic tips for casting, construction and painting of plaster – but at the moment only in german language

### Single moulds „Town Road“ and sidewalks, 88 mm

- 1000 Straight road, cobblestone, center drain lid, 88 x 145 mm.
- 1001 Straight road, cobblestone w/o drain lid, 88 x 145 mm
- 1002 Straight road, cobblestone, very bumpy, w/o drain lid
- 1005 Cobblestone bumpy, w/o curvature, for places and platforms
- 1010 Straight tar road, with damages and scratches, with drain lid
- 1022 Curved road, cobblestone, small radius 115mm
- 1023 Curved road, cobblestone, mid radius, 250mm
- 1026 Curved road, cobblestone, large radius, 400mm
- 1027 Curved road, cobblestone, large radius, 600mm
- 1028 Curved road, cobblestone, large radius, 900mm
- 1029 Curved road, cobblestone, large radius, 1500mm
- 1032 Curved road, tarred, small radius 115mm
- 1033 Curved road, tarred, mid radius 250mm
- 1060 Straight sidewalk, straight plates, with rounded edge, pair l/r
- 1061 Straight sidewalk, diagonal plates, with rounded edge, pair l/r
- 1064 Straight sidewalk, plates 1/straight 1/diagonal, pair
- 1065 Straight sidewalk, sand walkway, pair
- 1072 Curved sidewalk, fits to 1022, pair l/r
- 1073 Curved sidewalk, fits to 1023, pair l/r
- 1075 Curved sidewalk, sand walkway with edge, fits to 1023, pair l/r
- 1076 Curved sidewalk, large radius 400mm, fits to 1026, pair l/r
- 1077 Curved sidewalk, large radius 600mm, fits to 1023/7 pair l/r
- 1078 Curved sidewalk, large radius 900mm, fits to 1028, pair l/r
- 1083 Crossing cobblestone / sidewalk straight with gateway, pair
- 1085 Crossing tarred / sidewalk straight with gateway, pair

### Mould sets „Town and Industry“ 88 mm

#### 2000 „Large Town and Industry Set“ Cobblestone

The set of 10 moulds enables 15 different cast sheets: Two vaulted road parts, one cast sheet for flat roads and places, two curved roads with 115 and 250 mm radius, one part for crossings and nine straight and curved sidewalk parts. Sidewalks, crossings and gateways are included by pairs. The set contains of the single moulds 1000, 1001, 1005, 1022, 1023, 1060, 1064, 1072, 1073, 1083.

#### 2001 „Town and Industry“ Cobblestone

Five moulds includes eight road and sidewalk parts: Straight and curved roads of 115 mm radius, two straight and two curved sidewalks, one crossing and one sidewalk with gateway. The small parts are included in a mould by pairs. The set contains of the single moulds 1000, 1022, 1060, 1072, 1083.

#### 2003 „Town Road Cobblestone“ without sidewalks

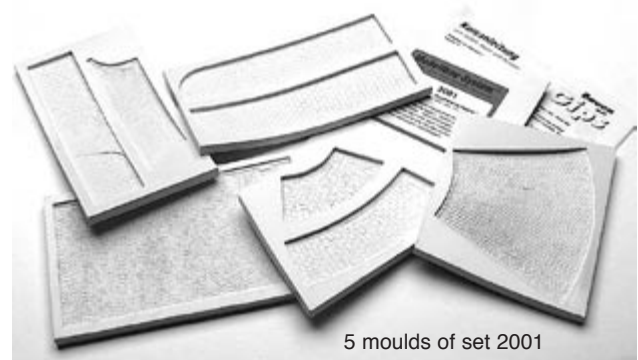
The set is prepared for the creation of country roads without sidewalks. One straight and two curved road parts with a small radius of 115mm and a mid sized radius of 250 mm. The set contains of the single moulds 1000, 1022, 1023.

#### 2004 „Town Road Tarred“ without sidewalks

Same as set 2003, but with asphalt/tar surface. Single mould 1010, 1032, 1033.

### Moulds Sets „Country and Village Road“ 66 mm

- 1200 Country and Village Road Set, 9 moulds**
- 1210 Straight road, fine cobblestone, w/o drain
- 1212 Straight road, fine cobblestone, with drain and manhole cover
- 1222 Curved road, fine cobblestone, small radius 125mm
- 1223 Curved road, fine cobblestone, mid radius 260mm
- 1227 Curved road, fine cobblestone, large radius 700mm
- 1066 Straight sidewalk, plates, pair
- 1242 Curved sidewalk, fits to 1222, small radius 125mm, pair l/r
- 1243 Curved sidewalk, fits to 1223, mid radius 260mm, pair l/r
- 1283 Crossing cobblestone/sidewalk with gateway, 4 casts
- 1201 Country and Village Road Set, 5 moulds**
- 1211 Straight road, fine cobblestone, with drain and manhole cover
- 1223 Curved road, fine cobblestone, mid radius 260mm
- 1066 Straight sidewalk, plates, pair
- 1243 Curved sidewalk, fits to 1223, mid radius 260mm, pair l/r
- 1283 Crossing cobblestone/sidewalk with gateway, 4 casts
- 1203 Country Road Set, 3 moulds**
- 1210 Straight road, fine cobblestone, w/o drain
- 1225 Curved road, fine cobblestone, small radius 125mm, w/o drain
- 1226 Curved road, fine cobblestone, mid radius 260mm, w/o drain



5 moulds of set 2001



Cobblestone load street (mould 1006) and freight ramp with concrete base wall (1050) and ramp surface of cobblestone (1005).

# Freight ramps and load streets

## *For realistic creation of stone and concrete, plaster is the ideal material*

The technology of casting is worthwhile also for freight streets and areas, because many of the same parts are often necessary. For the creation of bumpy pavement, mossy stones, rotted brickwork and cracked concrete with rusty iron profiles, plaster cast sheets are providing a quick and easy basis for your creativity.

To complete the moulds 1050/1051 you need for the ramp surface the mould 1005. For a ramp surface of tar you can use cardboard, putty and some finest sand.



- 1005 Ramp surface of pavement stone. The cobblestone pavement is also usable for roads and places without vaulted surface, 128 x 86 mm.
- 1006 Very bumpy cobblestone pavement for freight streets on the ground floor, with single-sided edge stones and high corner stones, 132 x 86 mm.
- 1007 Bumpy cobblestone pavement for freight streets on the ground floor, with single-sided edge stones like mould 1006, but without high corner stones. 132 x 86 mm.
- 1050 Ramp basis of concrete imitation with iron profile edges for high freight ramps (16 mm). For the casting of two side walls (130 x 16 mm), two slanting ramps, concrete stairs and small distance blocks for the ramp surface (1005). Or fill up the space with sheets of styrofoam.
- 1051 Same as 1050, but with natural stone side walls.
- 2050 Ramp set of all 5 moulds: 1005, 1006, 1007, 1050, 1051.
- 2051 Ramp set of 3 moulds: 1005, 1006, 1050 (concrete).
- 2052 Ramp set of 3 moulds: 1005, 1006, 1051 (natural stone).

Left: Freight ramp moulds 1050/1051 and cast sheets.

Below left: Load street, cast from mould 1006.

Below: Ramp head, build with concrete mould 1050 and 1005.



# Concrete 3000

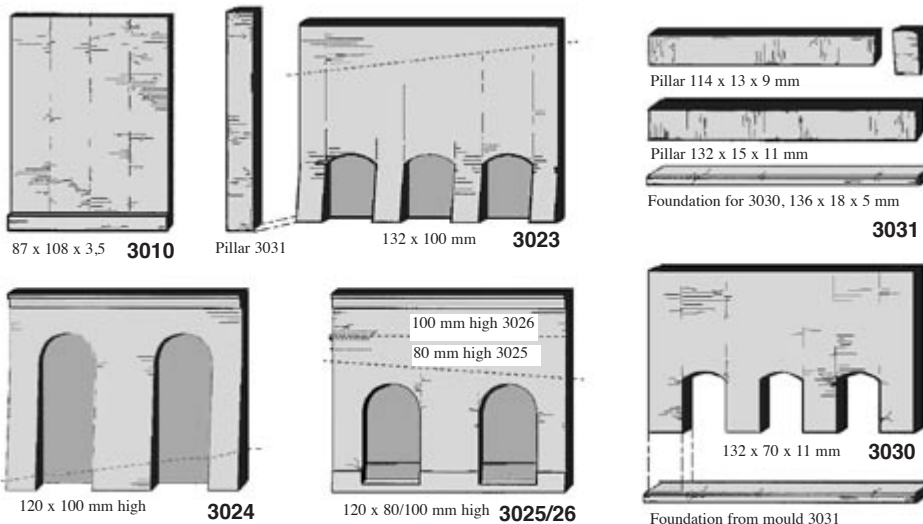


## The cast sheets enables impressive railway ramps and underpasses

Concrete structures will help you to realise the tight track situation on our model railroads. Massive railway ramps and underpasses made of concrete give evidence of tight colonisation. They provide an interesting contrast to the landscape and they are a convincing scenery for our vehicles.

Planning and construction of the concrete structures is simple. Mostly you only have to put together and fix the cast sheets. By putting together the elements 3024, 3025 and 3026 it is allowed to let the joints be visible.

Shorten and adjusting of steep ramps is easier with cast sheets of plaster than with any other material. For long railway ramps a table circular saw would be useful. The rotted surface of weathered concrete you can complete by engraving and painting.

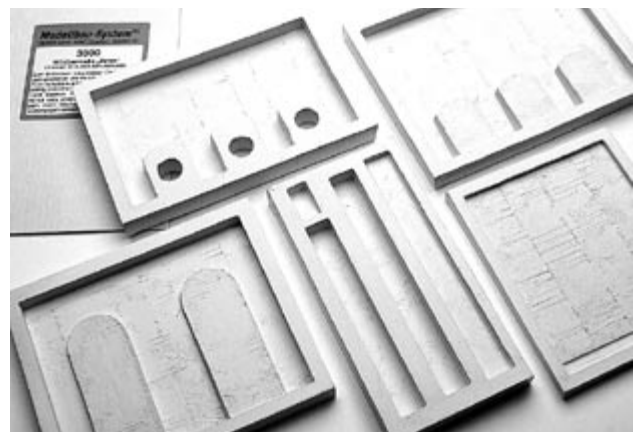


### Single moulds „Concrete”

- 3010** Concrete sheet with base, easy to work on and versatile useable: to base steep embankments, for the construction of foundations, bridge supports and coal depots.
- 3023** Supporting wall; especially useful to vary the height and for ascents. For the settlement, parts of Styrofoam i.e. should be put on top of the wall. Put them together without or with pillars from mould 3031.
- 3024** Supporting wall element without pillar to line up with joint, right for gradient terrain.
- 3025** Supporting wall for engine depots, coal tracks etc., low version, to join together without pillar.
- 3026** Supporting wall as above, high version, to join together without pillar.
- 3030** Arcade for underpasses, foundations. Parts for the raising and for support profiles included in mould 3031.
- 3031** Pillar, foundation, raising, slanting support profile for supporting walls 3023 and 3030.

### Mould Set 3000 „Concrete”

Consisting of 5 moulds: 3010, 3023, 3024, 3030, 3031.



# Urban viaduct „Bilk“

Example for this urban viaduct are the railway ramps, which will guide to the railway station in the big cities. The viaduct looks especially realistic in combination with the streets made of plaster.

Walls will be joint together with pillars between them and will be glued at the bottom and at the track ground. The structure of the wall elements fits to the structure of the pillars – but not with the supporting walls 4016 and 5016. These have straight side edges, therefore they are useful for the construction of the inner surface of underpasses, bridgeheads, and open vaults. The parts can be used only within their series.

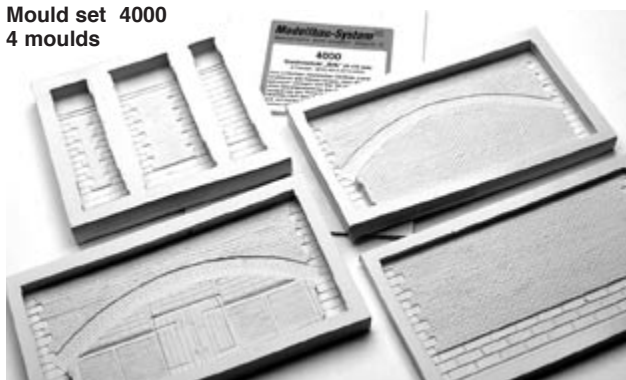
If a complete track level should be hidden, or one track should be over another track, nearly 10 cm high supporting walls are necessary in HO scale. More realistic looks the low viaduct 4000.



## „Bilk 4000“ track over street



Mould set 4000  
4 moulds



## Single moulds and sets urban viaduct

- 4010 Supporting wall without vault, also useable for the inner surface of underpasses, ca. 138 x 73 mm.
- 4013 Vault wall with shop front (see also 4014), 138 x 73 mm.
- 4014 Vault wall with brick wall. By breaking out the brick wall the gap can be arranged individually or changed into an open vault or a vaulted stone bridge, ca. 138 x 73 mm.
- 4016 Supporting wall, two parts, without pillar profile at the sides, better than 4010 for bridge foundation and inner surface of underpasses, ca. 138 x 73 mm.
- 4020 Three pillars, 87 mm high, 17, 23 and 35 mm wide.
- 4000 Mouldset "Bilk", low, 4 moulds: 4010, 4013, 4014, 4020.

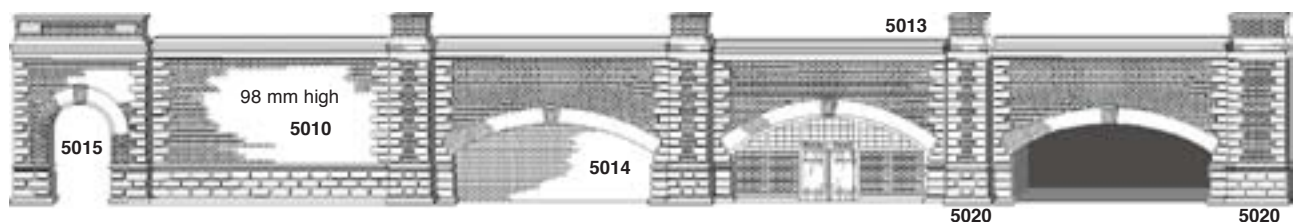
## „Bilk 5000“ track over track



Mould 5016

Mould set 5001  
3 moulds (left)

- 5010 Supporting wall without vault, ca. 140 x 98 mm.
- 5013 Vault wall with shop front, ca. 140 x 98 mm.
- 5014 Vault wall with brick wall. By breaking out the brick wall the gap can be arranged individually or changed into an open vault or a vaulted stone bridge, ca. 140 x 98 mm.
- 5015 Portal, passage or bridge foundation, ca. 77 x 110 mm.
- 5016 Supporting wall, 3 parts, without pillar profile at the side, better than 5010 for bridge foundation and inner surface of underpasses, ca. 140 x 98 mm.
- 5020 Two different pillars, 110mm high, 23 and 35mm wide.
- 5000 Mould set "Bilk", high; 5 moulds: 5010, 5013, 5014, 5016, 5020 (optionally with 5015 instead of 5016).
- 5001 Mould set "Bilk", high; 3 moulds : 5010, 5013 (or 5014), 5020.



# Heavy walls



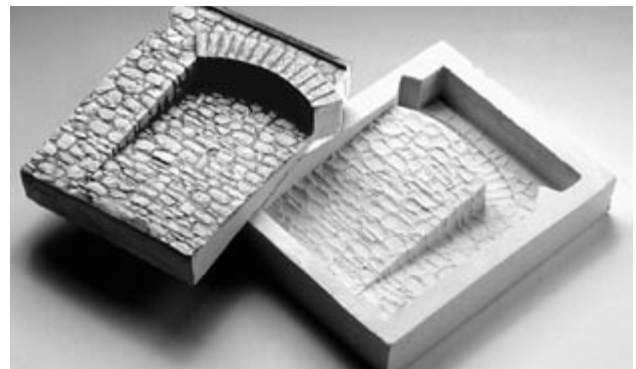
## Mouldset 6403 „Rabenu“

Set of two moulds. The supporting wall will be built by using pillar, vault, inner vault wall and upper stone row. It is easy to shorten and can be constructed also in a slight curve by abrading the pillars and vaults, size: 76 x 103 x 19.



## Mould 6405

One compact mould; heavy supporting wall with two arcades and separate pillar; natural stone with upper stone row, size: 135 x 91 x 14mm. Similar stone structure to wall 6014 and 6015.



## Mould 6404 „Rabenu“

similar to 6403, but to cast as a single piece complete wall, size: 76 x 103 x 19mm. Similar stone structure to wall 6014.

## Mould 6408

Supporting construction with two low arcades, separate pillar; natural stone, and upper stone row, size: 95 x 68 x 14mm.



## Mould 6407

Supporting construction with two high arcades and rough-cast vaults. size: 140 x 100 x 14mm. Similar stone structure to wall 6016 or 6017.

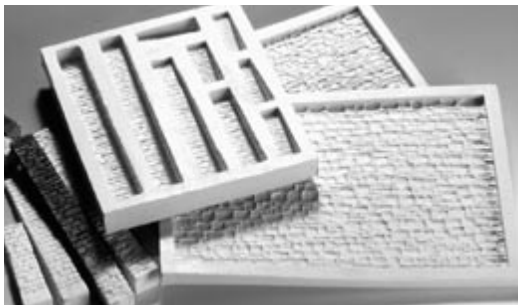


# Stone Walls

Especially stones and brickwork you will make easily and convincingly by casting your own plaster walls. The masters for the walls were made of many smallest stones and were refined by carving the surface. You will enjoy it to create your brick structures and to paint them.



Right: Stone wall from mould 6015 (above) and 6009.



Left: Mould 6020 with some cast pillars and wall moulds 6015 and 6010 (behind).



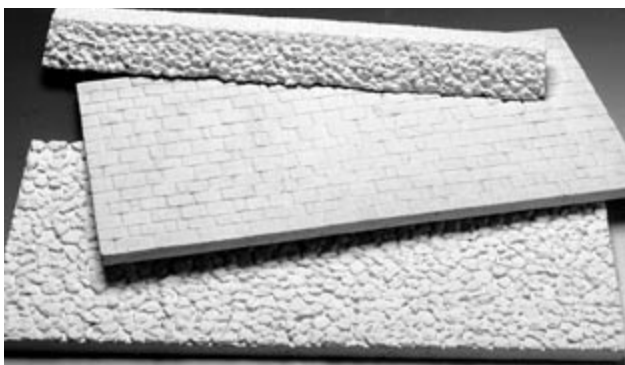
Right: Different pillar casts from mould 6020.

## 6100 Mould set „Wall construction”

5 moulds for pillars, upper stone rows, concrete stairs (6020 and 6026) as well as 3 kind of walls at your choice. Please mention in your order the article number of the selected wall moulds, otherwise the set will be completed by the moulds 6010, 6015, and 6016.

## 6200 Mould set „Waterway”

3 moulds (pictures below): Sand stone wall (6030), water way construction stone (6031) and a small flexible mould to cast a curved embankment fastening of water way construction stone (6035). This set should be completed by mould 6026 (picture right) for upper stone rows and concrete stairs.



Picture above: Mould 6026 with casted upper stone row.

## Single wall moulds (partially without picture)

- 6010 - 6019 see pictures next page, each 160 x 100 mm x 5 mm.
- 6020 9 pillars, natural stone, hewed stone, and brick stone, different height, thickness and shape.
- 6026 7 different upper stone rows for wall crowns and 3 kind of concrete stairs, each 80 mm.
- 6030 Sand stone, large periodical stones with fine joints for foundations and water way construction, 160 x 85mm.
- 6031 Water way construction stone, irregular break stones for sloping embankment fastening, 160 x 80mm.
- 6035 Embankment water way stone with raise and walk way; for flexible casting, 160 x 25 x 13mm.
- 6043 Quarry stone, same as 6013, but 85 mm high, with separate upper stone row. Included in tunnel mould set 6310.
- 6046 Large square stone, but 85 mm high, with separate upper stone row. Included in tunnel mould set 6330.
- 6049 Quarry stone, same as 6009, but 85 mm high, with separate upper stone row. Included in tunnel mould set 6320 and 6340.

Left: Waterway embankment build with mouldset 6200 and stone rows from mould 6026

# Wall structures

Small, mid size and large quarry stones, hewed stones and heavy square stones.

The size of the walls is 160 x 100 mm and they are about 5mm thick (if not mentioned different). Pictures show a true to scale 25 mm stripe. They were painted before taking the photo to intensify the structure.



**6007**  
Hewed stone, mid sized periodical stones wall foundation and water way



**6008**  
Quarystone smal stones strong structure-tunnel wall mountain terrain



**6009**  
Quarystone smal /mid sized strong structure tunnel wall mountain terrain



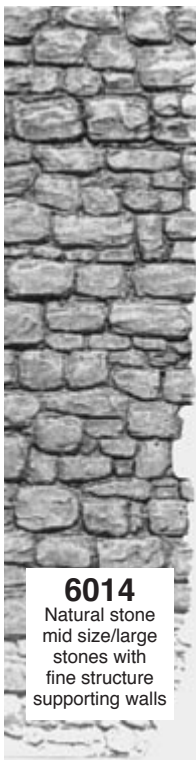
**6010**  
Quarystone smal /mid sized normal structure for walls, tunnel, ramps



**6012**  
Quarystone smal /mid sized fine structure less rough surface



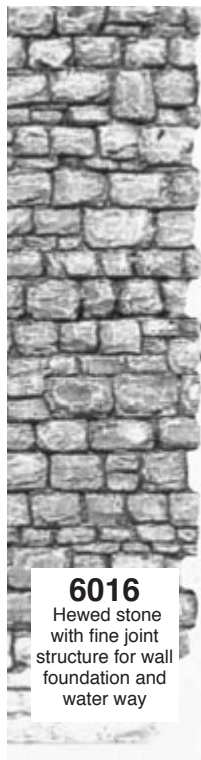
**6013**  
Quarystone large stones strong structure for mountain terrain



**6014**  
Natural stone mid size/large stones with fine structure supporting walls



**6015**  
Natural stone mid/large stones strong structure walls tunnel and mountain terrain



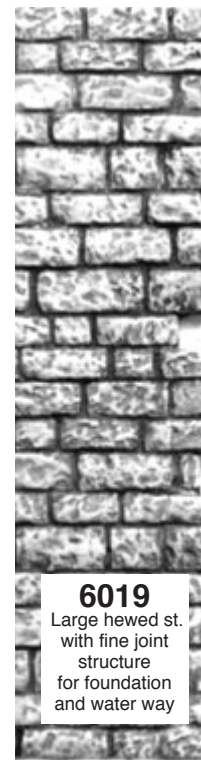
**6016**  
Hewed stone with fine joint structure for wall foundation and water way



**6017**  
Hewed stone like 6016 but very strong rustic structure



**6018**  
Large hewed st. with very strong joint structure for foundation and water way



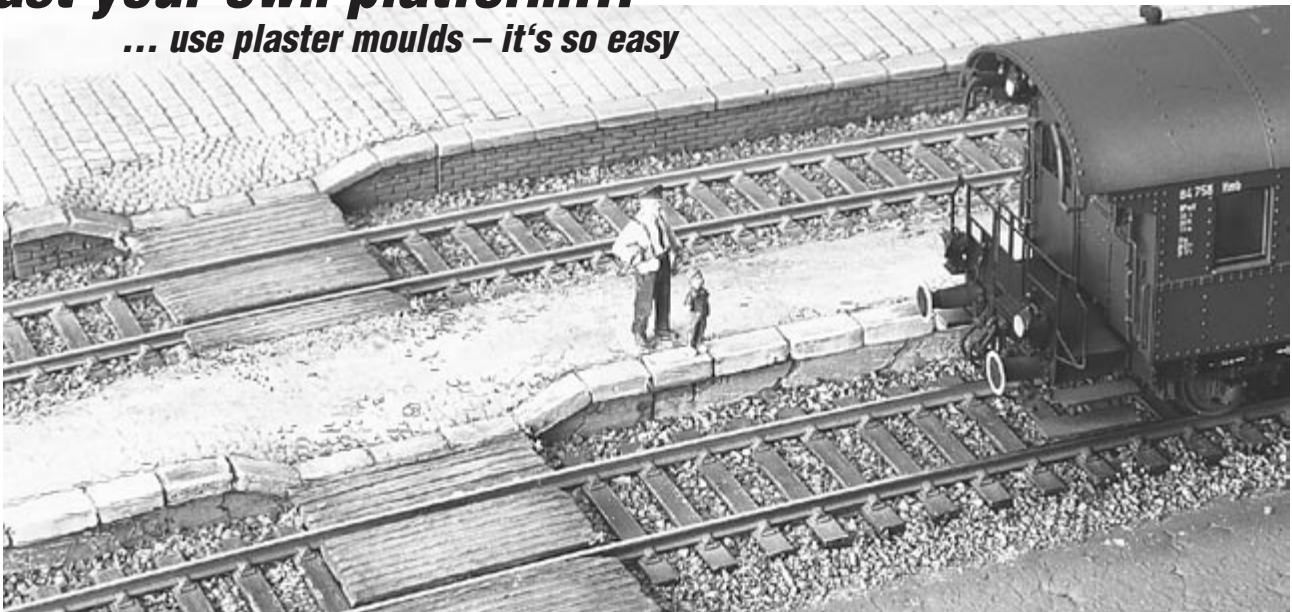
**6019**  
Large hewed st. with fine joint structure for foundation and water way



Left, from above: Small quarry stone 6010, large quarry stone 6013, hewed stone periodically 6007 and very irregular 6017.

# Cast your own platform...

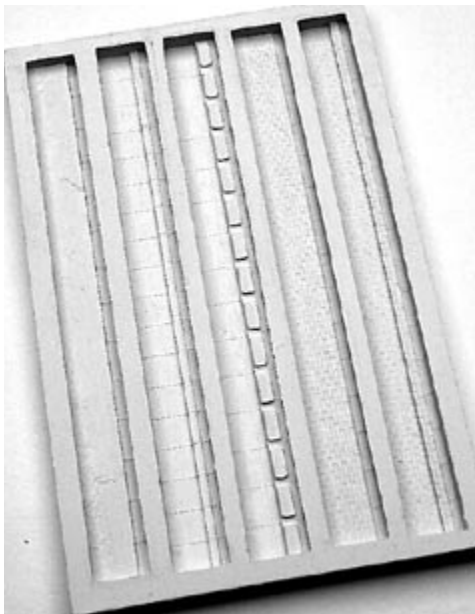
... use plaster moulds – it's so easy



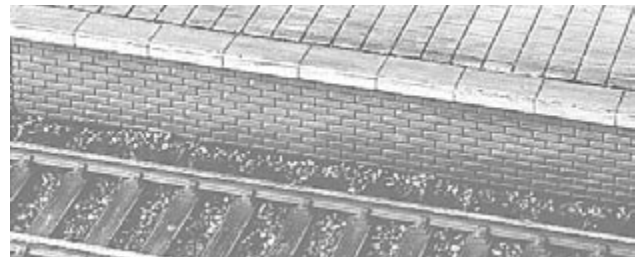
Platform (background) with low platform edge (2218/2236 or 2154) and layer for the luggage traffic (2254). In the foreground pour platform with stone edge (2159). Layer, separate edges and wooden planks are included in mould 2259.

## High platform edges

Platform edges in HO scale of brick and concrete elements for high (prototyp height 76 cm above rail) and low platforms (38 cm) with flag surface or small pavement. Complete and pour platforms with stone or tie edges and with layers and wooden planks for the luggage traffic.



- ▲  
**2215** Mould to cast 5 different high platform edges, left to right: Rough-cast, 2x concrete, brick, brick with steps (see right pictures, rough-cast without picture). Each 143 x 13,5 x 5 mm.
- 2213** Mould (without picture): 5 high platform edges, only brick: 2x smooth brick, 2x brick with step (see right side) and 1x rough-cast. Each 143 x 13,5 x 5 mm. Without picture.
- 2214** Mould (without picture): 5 high platform edges, only elements of concrete: 2x concrete, 2x concrete with top box (see left side) and 1x rough-cast. Each 143 x 13,5 x 5 mm. Without picture.



▲  
High platform edge of brick. Surface of staggered 30 cm flags (Mould 2141).



▶  
High platform edge of brick with steps.



▶  
High platform edge of concrete elements with step and top box.



▶  
High platform edge of concrete elements with step

### TIP Platform construction

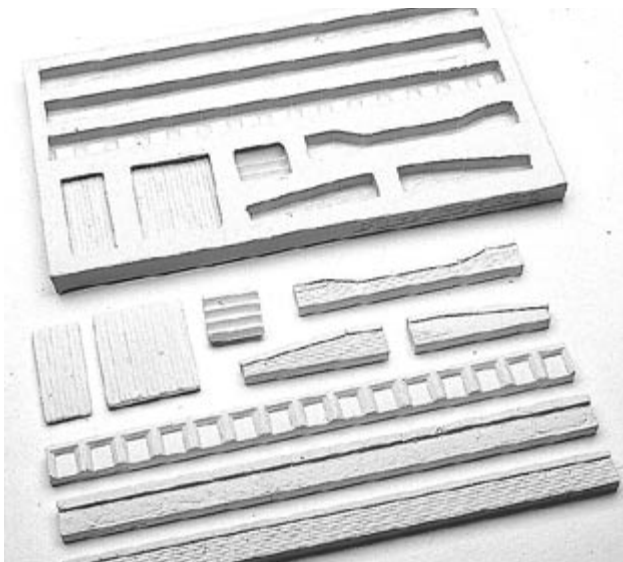
At first prepare a piece of Styrofoam for the platform and fix it, 5 mm thick for low platforms, 10 mm for high platforms. On top of the Styrofoam glue the plaster sheets for the platform (2141/2142) with 4 mm thickness. The total height of the platform is 9,5 mm (low version) and 13,5 mm ( high version). Abrade

the sides of the platform and glue the platform edges.

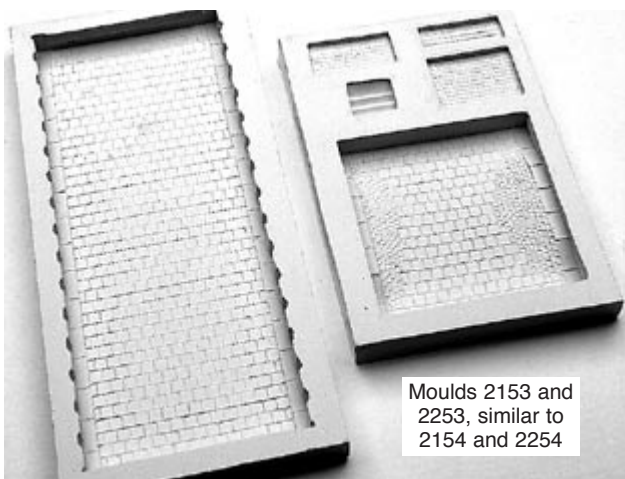
### Curved platforms

After slip off the back side of the mould, the moulding compound is still soft. Then put something appropriate under the mould to make it bended. Beforehand you should test it under "dry" condition and maybe prepare a routine.

## Low platform edges (prototype height 38 cm above rail)



- ▲
- 2218** Mould to cast 3 pcs. low platform edges (brick, concrete, rough-cast) each 143 x 9,5 x 5 mm; with layers for luggage transport and end of platforms, wooden planks and concrete stairs.
- 2236** Brick only mould to cast 3 pcs. low platform brickstone edges each 143 x 9,5 x 5 mm; with layer and pieces like 2218 (no picture).
- 2237** Rough-cast only mould to cast 3 pcs. low platform rough-cast edges, each 143 x 9,5 x 5 mm; with layer and pieces like 2218 (no picture).
- 2238** Concrete only mould to cast 3 pcs. low platform concrete element edges, each 143 x 9,5 x 5 mm; with layer and pieces like 2218 (no picture).
- 2154** Complete low platform, brick edges, surface of 30cm walkway flags, 142 x 65 x 9,5 mm.
- 2254** Section of platform layer, fits to platform 2154, with wooden planks and stairs, 62 mm length.
- 2158** Pour platform with railway ties, 153 x 40 mm.
- 2159** Pour platform with stone edges, 162 x 40 mm.
- 2259** Set of layers, platform edges and wooden planks only for pour platforms 2159.



Moulds 2153 and 2253, similar to 2154 and 2254



Low platform edge concrete and brickstone (above).

### Layers

At platform edges with layers for luggage transport abrade the excess plaster and engrave the surface. Same procedure for the layers at the end of pour platforms. Add ballast and finest sand for pour platforms.

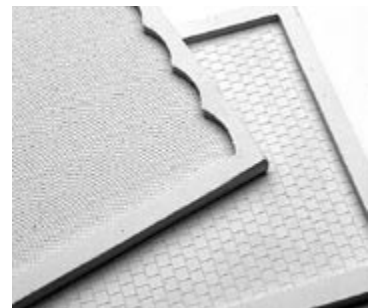
### Ceramic powder

For fine cast sheets and sensitive parts like platform edges, ceramic powder is more reliable than plaster. The cast sheets must be weighted to dry smooth even.

**TIP**

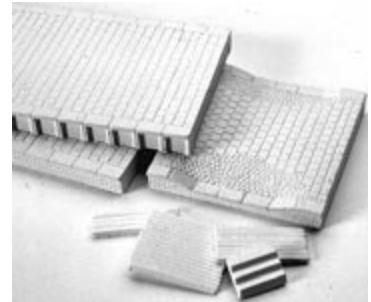
### For up to 100 mm wide platforms ...

**Mould 2142**  
Platform surface with curved small pavement  
105 x 90 x 4 mm



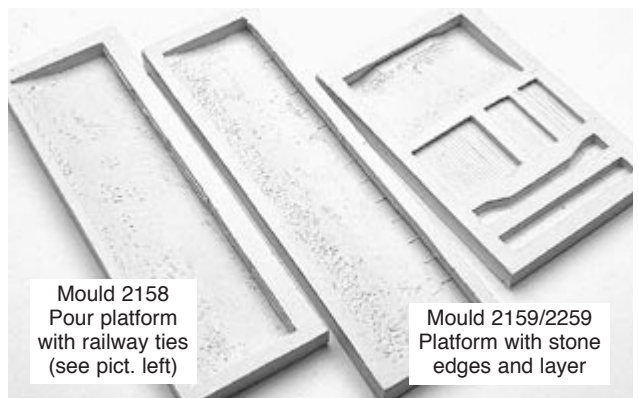
**Mould 2141**  
(mould below)  
Platform surface with staggered walkway flags  
143 x 90 x 4 mm.

**Mould 2153**  
Complete low platform, concrete edges, surface of 30 cm walkway flags  
142 x 65 x 9,5 mm



**Mould 2253**  
Section of platform layer, fits to platform 2154, with wooden planks and stairs  
62 mm length

Cast sheets out of mould 2153/54 and 2254 (above 2153 concrete).



Mould 2158  
Pour platform with railway ties  
(see pict. left)

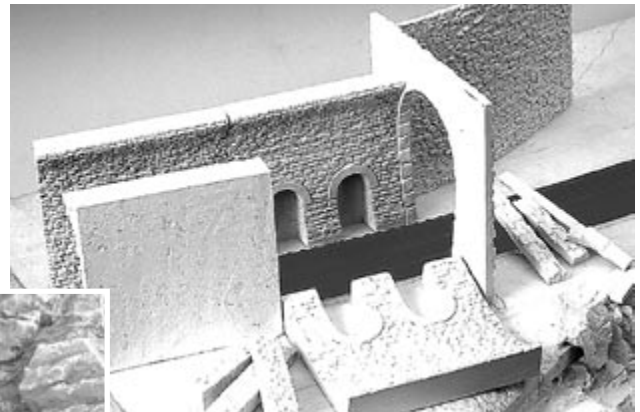
Mould 2159/2259  
Platform with stone edges and layer



Tunnel portals with brick crown, with additional brick crowns and upper stone rows in each mould. Mould 6306 with additional pillar. Together with a vaulted inner wall and a wall sheet you easily create the most nice and realistic tunnel constructions. For single-track railway with overhead system you will find several mould set with three moulds each for portals, inner walls, and side walls in front of the portal with upper stone rows. With rough (6010) or small quarry stone (6320), or with sand square stone (6330).

The profile of the tunnel portal 6312 for single-track railway without overhead system is very close to the prototype size and it can be used only with a very large radius (picture above).

## ***Tunnel construction***



Tunnel construction with portal, inner wall, walls, upper stone rows and pillars. The upper part of the tunnel-tube can be open or covered with card-



### **Mould set 6307 rock-tunnel**

Three parts mould set for the casting of a double-track tunnel portal (with or without overhead system). The portal stones are integrated in the rock part. The profile is nearly prototype size, therefore the tunnel is not useable for Märklin track-size either for radius lower than 500mm (picture above and right). The inner wall 6301 and the rock parts 6341/42 are made for the expansion of the rock parties.



### **Single moulds for tunnel construction**

- 6301 Inner tunnel wall, vaulted, with niches, for all single and double-track tunnel portals with overhead system. 86 x 80 x 18 mm.
- 6302 Inner tunnel wall same as 6001, but without niches.
- 6311 Inner tunnel wall for very small single-track tunnel 6312 without overhead system, useable also for HOm scale. 93 x 75 x 18 mm.
- 6304 Tunnel portal for single-track and overhead system, quarry stone like 6013. 125 x 111 mm.
- 6306 Tunnel portal for single-track and overh. system, small quarry stone same as 6009, fits to 6008, 6010 and 6011. 123 x 113 mm.
- 6317 Tunnel portal for single-track and overhead system, square stones like 6006. 120 x 111 mm.
- 6312 Tunnel portal for single-track, very small entrance, not for overhead system and for curved track, wall structure same as 6008/9.
- 6305 Curved portal stones for single and double-track tunnel, for the combination with any wall structure and inner tunnel wall 6301.
- 6307 Mould set for double-track tunnel portal, integrated in rock parties, 3 moulds, not for small radius, not for Märklin track distance.
- 6341 Large rock part, mould size appr. 110 x 90 x 20 mm, marked structure, completion to rock tunnel portal 6307.
- 6342 Two different small rock parts, mould appr. 110 x 100 x 20 mm, marked structure, completion to rock tunnel 6307.

## Tunnel portals and mould sets with wall crown, upper stone row and inner tunnel wall

Tunnel portal design with massive supporting wall of large square stones, quickly made with mould sets like 6330. The plaster wall with upper stone row offers many possibilities for the creation of tunnel front walls.

The tunnel portals 6304, 6306 and 6317 are useable for overhead system. Height above track: Tunnel portal 6306 = 70 mm, tunnel portal 6304 and 6317 = 74 mm, 6012 = 62 mm.

If necessary (with high track level) put something under the tunnel portal. The profile of tunnel 6304, 6306 and 6317 permits track radius of more than 600mm.

The "skin-tight" tunnel portal 6312 is not usable with curved track and not with current lead. For the construction with smaller track radius check with your longest cars.



### 6310 Tunnel set

Large quarrystone, 3 moulds: Large quarry stone wall 6043 with upper stone row, tunnel portal 6304 with separate wall crown, vaulted inner wall 6301.

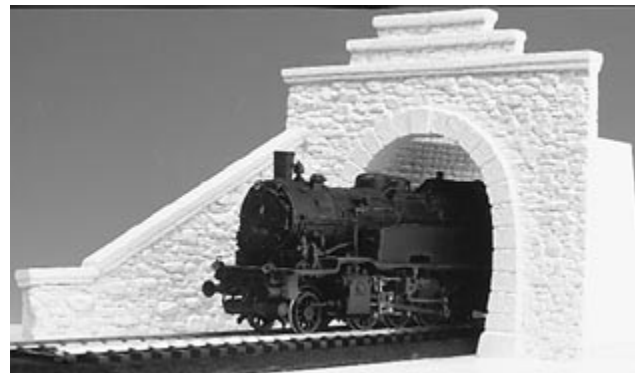


### 6320 Tunnel set

Mid size quarry stone, 3 moulds: Quarry stone wall 6049 with upper stone row, tunnel portal 6306, vaulted inner wall 6301.

### Tunnel set 6330

Square stone, 3 moulds: square stone wall 6046 with upper stone row, square stone tunnel portal 6317, vaulted inner wall 6301 (picture right and below).



### Tunnel set 6340

Quarry stone-wall 6049 with separate upper stone row. Tunnel portal 6312 „skin-tight“, not for overhead system and not for track radius less than 600 mm. Height above track is 62 mm, inner tunnel wall 6311 with suitable curvature (picture right).

### 6300 Tunnel construction set

4 moulds: Tunnel construction (without picture). 4 moulds: 6305 portal bow stones for single and double-track tunnel (picture right), mould 6306 for single-track tunnel portal complete with separate wall crowns and pillars, mould 6301 inner tunnel wall, mould 6049 quarry stone wall with separate upper stone row.

With these moulds you quickly create massive tunnel constructions. Dry plaster you can saw with a fret saw or a table saw, and you can abrade, scrape and grave it.



Above: With mould 6305 you are able to cast single and double track portal bows and build it in various walls. Simple and perfect completion is the inner tunnel wall 6301.

Left: Moulds for rock castings: 6341 (right) and 6342. With marked rock structure for the completion of the rock tunnel 6307.

# Townscape



Suburban houses – build in the early decades of the last century. At the outskirts of many industrial cities these buildings impress the appearance of the cities and the landscape. Sometimes they are standing alone together with some extension units, but mainly they were building in groups or in real suburban estates. A plain building made of brick, solid and spacious, with high floors and high windows, the back yards with staircase, extension units and sheds, everything in many variations....

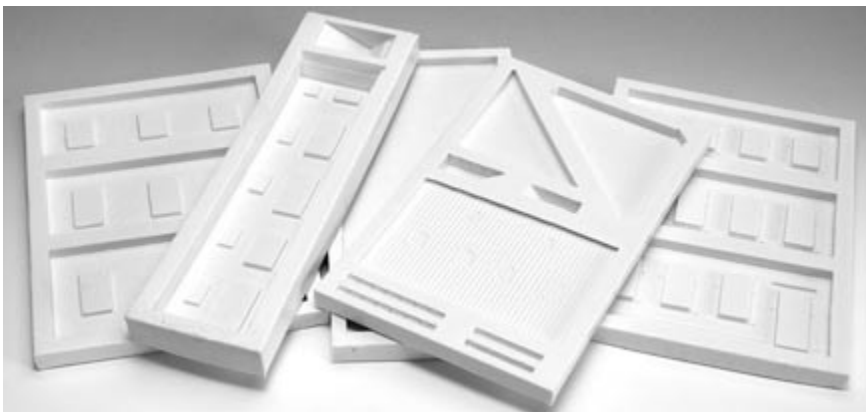
...The model is made of plaster, with casts of the five moulds of the set 7110 “Suburban houses”, completed with three moulds for extension units, sheds and workshops.

Suburban estates, easily and quickly constructed, as large as you like and individually made upon your conception. Especially realistic in combination with the streets and walkways made of the mould sets series 2000.

## Mould set 7110

- norm:
- 7108 back yard front
  - new, with four windows
  - 7102 staircase projection
  - 7103 street front
  - 7104 sidewall
  - 7105 roof parts

- alternatively:
- (7104) 7104b 80 mm wide sidewall for mitre grinding



## Single moulds „Stadthaus“ (suburban building)

- 7101 back yard front, 3 diff. separat. floors, 90 x 117/153 mm
- 7102 staircase extension, 4 floors high, 35 x 152 mm
- 7103 street front, 3 diff. separate floors, 90 x 117/153 mm
- 7104 sidewall, 70 x 153 mm
- 7104b sidewall, 80 x 153 mm, for mitre grinding
- 7105 roof parts, 9 casts, 90 x 80 mm, dormer in mould 7102
- 7106 street front, 3 fl., variations (without picture)
- 7107 street front, shop and 2 floor variations (without picture)

**New**  
**New**

## Mould sets and extension units

- 7110 Suburban building, set of 5 moulds: 7101-5, incl. 3x 7115
- 7120 Back yard extension, 2 floors, incl. 1x 7116
- 7130 Little shed, incl. 1x 7116
- 7150 Workshop, without roof, incl. 1x 7116
- 7160 Factory, 7 casts, without roof, (without picture)
- 7161 Two diff. floors and roof for factory (without picture)
- 7115 Print window inserts for 7110 suburban building
- 7116 Print window inserts for 7120, 7130, 7150 extensions
- 7117 Print windows for 7160, 7118 Print windows for 7161

**New**

## Window inserts

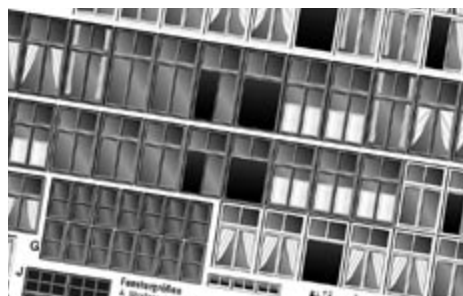
The filigree print with light and shadow looks very much realistic. Cut the window row with a sharp blade along a ruler. For a single window better use a sharp pair of scissors. Do not cut away the shadow line on the left side and on the top. Only use a few of glue.

## 7115 Window inserts

Per print sheet more than 100 windows, 7 doors and house numbers to cut off, enough for two complete houses and some extensions. Three prints are part of Set 7110. If required you can order some more.

## 7116 Window inserts

Windows and doors, enough for 5 extensions, sheds and workshops each. One print belongs to 7120, 7130, 7150 each.



## Extensions, shed and workshop



### Mould 7120 Extension

4 cast mould: two floors backyard extension front with washhouse door, side wall, roof and half chimney.



### Mould 7130 Shed

4 cast mould: front, double wall, roof and half chimney.



### Mould 7150 Workshop

4 cast mould: front, back wall, 2 side walls – no roof. Make roof from cardboard or polystyrol sheet.

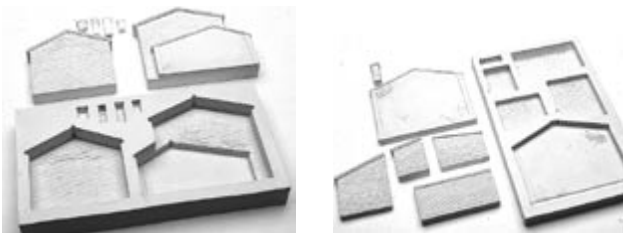
**TIP:** Contact glue is not suitable to stick the casts of plaster. Choose glue giving you some time for correction. Hints and tips for the assembly you will find in the construction manual “Urban

landscape”. Up to now only in German language available (we are working on it).

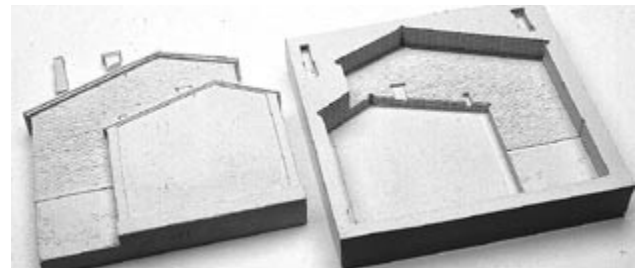
The sidewalls are to be glued right-angled between the front and back walls. At joined houses the joints are

covered. The visible part of the wall can be roughcast: The sidewall will be used with the smooth backside and the joints have to be roughcast. The sidewall can be used as an area for advertising.

In all other case the edges of the visible sidewalls have to be grinding to mitre. By doing this, the wall will be 10 mm smaller and the roof does not fit. In this case take the 10mm larger sidewall 7104b.



## Background facades brickwork

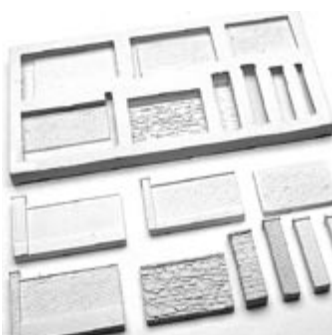


**Mould 7031** Relief front for background designing. Now renewed with gable windows and chimneys (picture above).

**Mould 7032** Two relief fronts with gable windows and chimneys (left outside).

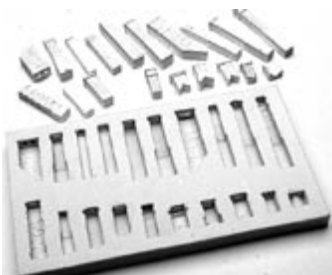
**Mould 7033** Relief facades and chimney for background designing of yard and workshop extension units (left).

## Brick walls and house building brickwork



### Mould 7024

Five different yard, road and factory wall parts with different pillars for factory and yard gateways (picture left, above and right).

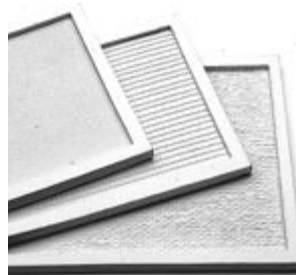


### Mould 7017

20 different chimneys for the detailing of model buildings (picture left).

### Mould 7006

Fine brick wall „old”, size same as 7005 (without pict.)



### Mould 7005

Fine brick wall, brick size 3,3 x 1,1 mm, sheet 120 x 80 x 3 mm (pict. left, above).

### Mould 7011

Tile, flat roof pantile with skylights and ridge, sheet 140 x 80 x 3 mm (among).

### Mould 7003

Brick wall „old/weathered”, brick size 3,6 x 1,2 mm; sheet 160 x 100 mm (below).

# Price list 2009 – Modelling moulds made of silicone rubber (available in HO/00 1:87 scale only)

Valid until December 31st. 2009. Shipping charge EU-Europe by maxi letter prioritaire up to 1000 g = 6,00 Euro, DHL-Petit Paquet up to 2000 g = 8,60 Euro, DHL-Parcel up to 5000 g = 17,00 Euro. Weight of single moulds is about 90 - 160 g. Worldwide according to real charges, by airmail extra charge. Shipping within a few days with invoice, first order advanced payment requested.

Exchange or return of unused moulds. Prices to change without notice. Not responsible for errors and changes.

<b>Stonewall moulds</b> (160 x 100 x 5 mm, if not mentioned different)		each 20,00 €
6007	Hewed stone wall, mid sized periodical stones	
6008	Quarrystone wall, smal stones, strong structure	
6009	Quarrystone wall, smal /mid sized, strong structure	
6010	Quarrystone wall, smal /mid sized, normal structure	
6012	Quarrystone wall, smal /mid sized, fine structure, less rough surface	
6013	Quarrystone wall, large stones, very strong structure	
6014	Natural stone wall, mid size/large stones, fine structure	
6015	Natural stone wall, mid/large stones, strong structure	
6016	Hewed stone wall, fine joint structure	
6017	Hewed stone wall, like 6016 but very strong, rustic structure	
6018	Large hewed stone wall, very strong joint structure	
6019	Large hewed stone wall, fine joint structure	
6043	Quarry stone wall, same as 6013, but with separate upper stone row,	
6046	Large square stone wall, with separate upper stone row, 85 mm high	
6049	Quarry stone wall, same as 6009, but with separate upper stone row,	
<b>6100</b>	Mould set „Stonework“, 5 moulds:6020, 6026, walls 6010, 6015, 6016 or 3 kind of walls at your choice	<b>88,00</b>
<b>Pillar, upper stone row, stair and embankment moulds</b>		€
6020	9 different pillars, natural/hewed/brickstone, different height	22,00
6026	7 different upper stone rows and 3 kind of concrete stairs, each 80 mm	22,00
6030	Sandstone wall, large periodical stones, also water way, 160 x 85 mm	18,50
6031	Water way construction stone, irregular break stones, 160 x 80 mm	18,50
6035	Embankment water way with raise and walk way, 160 x 25 x 13 mm	16,00
<b>6200</b>	Mould set "Embankment Fastening", 3 moulds: 6030, 6031, 6035	<b>45,00</b>
<b>Heavy stone work moulds</b>		
6403	Mould set supporting wall „Rabenau“, 2 moulds, 5 cast parts	32,00
6404	Supporting wall „Rabenau“, like 6403, but one complete cast	19,50
6405	Heavy supporting wall, two low arcades, separate pillar, 135 x 91 x 14	25,00
6407	Heavy supporting wall, two high arcades, 140 x 100 x 14 mm	25,00
6408	Supporting construction, two low arcades, separate pillar	22,00

<b>Tunnel construction moulds</b>		€
6301	Inner tunnel wall, vaulted, with niches, for single and double-track	20,00
6302	Inner tunnel wall same as 6001, but without niches	20,00
6304	Tunnel portal, single-track and overh. system, quarry stone like 6013	24,00
6305	Curved portal stones only, single and double-track, 5 cast parts	22,00
6306	Tunnel portal, single-track and overh. system, quarry stone like 6009	24,00
6307	Mould set, double-track tunnel portal, integr. in rock parties, 3 moulds	52,00
6311	Inner tunnel wall for the small tunnel 6312, quarry stone like 6009	20,00
6312	Tunnel portal, single-track, no overh. system, wall structure like 6008/9	22,00
6317	Tunnel portal, single-track and overh. system, square stones like 6046	24,00
6341	Large rock part, marked structure, compl. to rock tunnel portal 6307	17,50
6342	Two different small rock parts, completion to rock tunnel 6307	17,50
<b>6300</b>	Set "Tunnel construction", 4 moulds: 6049, 6301, 6305, 6306	<b>69,00</b>
<b>6310</b>	Tunnel set „Large Quarrystone“, 3 moulds: 6043, 6301, 6304	<b>52,00</b>
<b>6320</b>	Tunnel set „Small Quarrystone“, 3 moulds: 6049, 6301, 6306	<b>52,00</b>
<b>6330</b>	Tunnel set „Square stone“, 3 moulds: 6046, 6301, 6317	<b>52,00</b>
<b>6340</b>	Tunnel set „Skin-tight“, w/o current lead, 3 moulds: 6049, 6311, 6312	<b>52,00</b>

<b>Platform edges and accessories</b>		€
2213	Platform edges high, 5 pieces, mainly brick: 4x brick, 1x rough cast	21,00
2214	Platform edges high, 5 pieces, mainly concrete: 4x concr., 1x rough cast	21,00
2215	Platform edges high, 5 pieces, 2x brick, 2x concrete, 1x rough cast	21,00
2218	Platform edges, low, 3 pieces, brick/concr./rough c. and various fittings	19,00
2236	Platform edges, low, 3 pieces brickstone and various fittings	19,00
2237	Platform edges, low, 3 pieces rough cast and various fittings	19,00
2238	Platform edges, low, 3 pieces concrete and various fittings	19,00
2141	Platform surface with staggered walkway flags	16,00
2142	Platform surface with curved small pavement	15,00

<b>Platforms</b>		
2153	Complete low platform, concrete edges, surface walkway flags	17,50
2253	Section of platform layer, fits to platform 2153, wooden planks, stairs	14,50
2154	Complete low platform, brick edges, surface walkway flags	17,50
2254	Section of platform layer, fits to platform 2154, wooden planks, stairs	15,00
2158	Pour platform with railway ties, 153 x 40 mm	15,00
2159	Pour platform with stone edges, 162 x 40mm	15,00
2259	Set of layer, platform edges, wooden planks only for platforms 2159	14,50

<b>Mould Set „Road Construction Town and Industry“ 88 mm wide</b>		€
Single road moulds see page 3, each mould (sidewalks per pair)		17,00
<b>2000</b>	„Large Town and Industry Set“ Cobblestone, 10 moulds (see page 3)	<b>139,00</b>
<b>2001</b>	„Town and Industry“ Cobblestone, 5 moulds (see page 3)	<b>72,00</b>
<b>2003</b>	„Town Road Cobblestone“, no sidewalks, 3 moulds: 1000, 1022, 1023	<b>44,00</b>
<b>2004</b>	„Town Road Tarred“ w/o sidewalks, 3 moulds: 1010, 1032, 1033.	<b>44,00</b>
1005	Cobblestone bumpy, w/o curvature, for places and platforms	17,00
1006	Bumpy freight pavement, with edge stones and high corner stones	20,00
1007	Bumpy freight pavement, with single-sided edge stones	17,00
1050	Ramp basis of concrete imitation, 9 cast parts	21,00
1051	Ramp basis of natural stones, 9 cast parts	21,00
<b>2051</b>	Ramp set of 3 moulds: 1005, 1006, 1050 (concrete).	<b>49,00</b>
<b>2052</b>	Ramp set of 3 moulds: 1005, 1006, 1051 (natural stone).	<b>49,00</b>
<b>Mould Set „Country Road“ 66 mm wide</b>		
Single road moulds see page 3, sidewalks per pair, each mould		15,50
<b>1200</b>	Country+Village Road-Set, 9 moulds:1210,12,22,23,27,42,43,83,1066	<b>116,00</b>
<b>1201</b>	Country+Village Road-Set, 5 moulds:1211, 1223, 1243, 1283, 1066	<b>66,00</b>
<b>1203</b>	Country-Road-Set, w/o drain, 3 moulds: 1210, 1225, 1226	<b>39,00</b>

<b>Concrete 3000 moulds for ramps and underpasses</b>		€
3010	Concrete wall with base, 87 x 108 x 3,5 mm	15,00
3023	Supporting wall with three low arcades, 132 x 100 x 8-10 mm	22,00
3024	Supporting wall with two high rcades, 120 x 100 x 8-10 mm	22,00
3025	Supporting wall, low, with two arcades, 118 x 69 x 9 mm	17,50
3026	Supporting wall as above, high version, 118 x 98 x 9 mm	22,00
3030	Supporting wall with 3 open arcades, 132 x 70 x 11 mm	20,00
3031	Set pillar, foundation and raising for 3030	18,00
<b>3000</b>	Set „Concrete“, 5 moulds: 3010, 3023, 3024, 3030, 3031	<b>82,00</b>
<b>Urban brick viaduct „Bilk“ 4000 (track over street, 73 mm high)</b>		€
4010	Brickwall without vault, ca. 138 x 73 mm	19,00
4013	Vault wall with shop front, ca. 138 x 73 mm	21,00
4014	Vault wall with brick wall, ca. 138 x 73 mm	21,00
4016	Brickwall like 4010, but two parts, w/o pillar profile ca. 138 x 73 mm	19,50
4020	Three brickpillars, 87 mm high, 17, 23 and 35 mm wide	22,00
<b>4000</b>	Set "Bilk", low 73 mm, 4 moulds: 4010, 4013, 4014, 4020	<b>69,00</b>
<b>Urban brick viaduct „Bilk“ 5000 (street or track over track, 98 mm high)</b>		
5010	Supporting brickwall without vault, ca. 140 x 98 mm	20,00
5013	Vault wall with shop front, ca. 140 x 98 mm	22,00
5014	Vault wall with brick wall, ca. 140 x 98 mm	22,00
5015	Portal, passage or bridge foundation, ca. 77 x 110 mm	19,50
5016	Brickwall, 3 parts, without pillar profile at the side, ca. 140 x 98 mm	22,00
5020	Two different pillars, 110mm high, 23 and 35mm wide	20,00
<b>5000</b>	Mould set "Bilk", 5 moulds: 5010, 5013, 5014, 5016 (or 5015), 5020	<b>89,00</b>
<b>5001</b>	Mould set "Bilk", 3 moulds: 5010, 5013 (or 5014), 5020	<b>53,00</b>

<b>Urban house mould set, extensions and window inserts</b>		€
<b>7110</b>	„Urban House“, set/5 moulds: 7101, 7102, 7103, 7104, 7105, 3x 7115	<b>89,00</b>
7120	Backyard ext. washhouse, 3 floors, 4 parts, incl. 1x windows 7116	22,00
7130	Shed, 4 casts: front, brickwall, roof, chimney, incl. 1x windows 7116	17,50
7150	Workshop, 4 casts: front, backfr., sidewalls, w/o roof, incl. 1/wds. 7116	22,00
7160	Factory, 7 casts (without picture, 90 x 45 mm), incl. window inserts 7117	25,00
7161	2 upper floors and roof for factory 7160, incl. windows inserts 7118	21,00
7115	Print window inserts for 7110 Urban house	1,50
7116	Print window inserts for 7120, 7130, 7150	1,50
7117	Print window inserts for factory 7160	0,75
7118	Print window inserts for floors of the factory 7161	0,75
<b>Single moulds house building</b>		
7101p	Backyard front, roughcast, 3 diff. floorslike before, 90 x 117/153 mm	22,00
7102	Staircase extension, brickstone, 4 floors high, 35 x 152 mm	18,50
7102p	Staircase extension, roughcast, 4 floors high, 35 x 152 mm	18,50
7103	Street front, 3 diff. floors each separately, 90 x 117/153 mm	22,00
7104	Sidewall, 70 x 153 mm	17,50
7104b	Sidewall, 80 x 153 mm, for mitre grinding	17,50
7105	Roof parts, 9 casts, ground plan 90 x 80 mm, dormer in mould 7102	22,00
7106	Street front, 3 floors variations	22,00
7107	Street front, shop and 2 floorsvariations	22,00
7108	Street/backfront, 3 floors variations with 4 windows, brickstone	22,00
<b>Brickwork fittings</b>		
7003	Brickstone, very rustic structure, 160 x 100 x 3,5 mm	20,00
7005	Brickstone wall, fine „new“ structure, 120 x 80 x 3 mm	15,00
7006	Brickstone wall, slightly rustic structure, 120 x 80 x 3 mm	15,00
7011	Flat roof tiles, built-inskylights, separate ridges, 160 x 80 x 3 mm	17,50
7017	Chimneys, 20 various in one mould	22,00
7024	5 different yard, road, factory walls, pillars for gateways	20,00
<b>Background facades brickwork</b>		
7031	Relief front with gable windows and chimneys, 106 x 109 mm	23,00
7032	Two relief fronts dto., 82 x 72 mm and 60 x 60 mm	23,00
7033	Relief facades for brickwork and workshop extensions	20,00

It is not allowed to rent or duplicate the moulds for business, to rent or to sell duplicates, to sell the castings made by our moulds or to use them in a commercial way without our written allowance. Contravention is an offence against the copyright.

## Werkstatt Spörle

Jansen Service GmbH · Eichenstr. 77 · DE-47443 Moers · Fax +49 (0) 2841 1690 445 · Mailto: klaus.spoerle@t-online.de