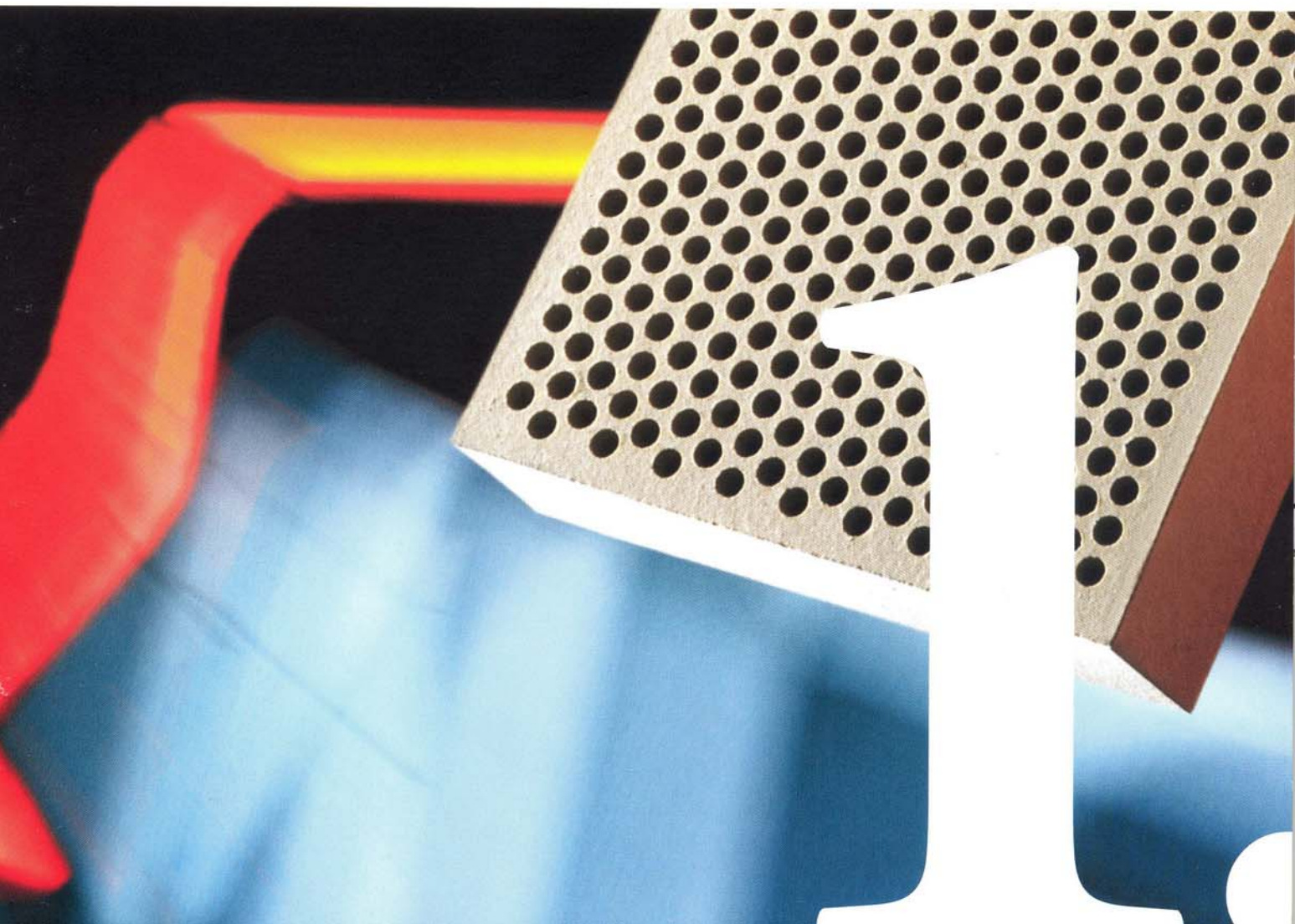
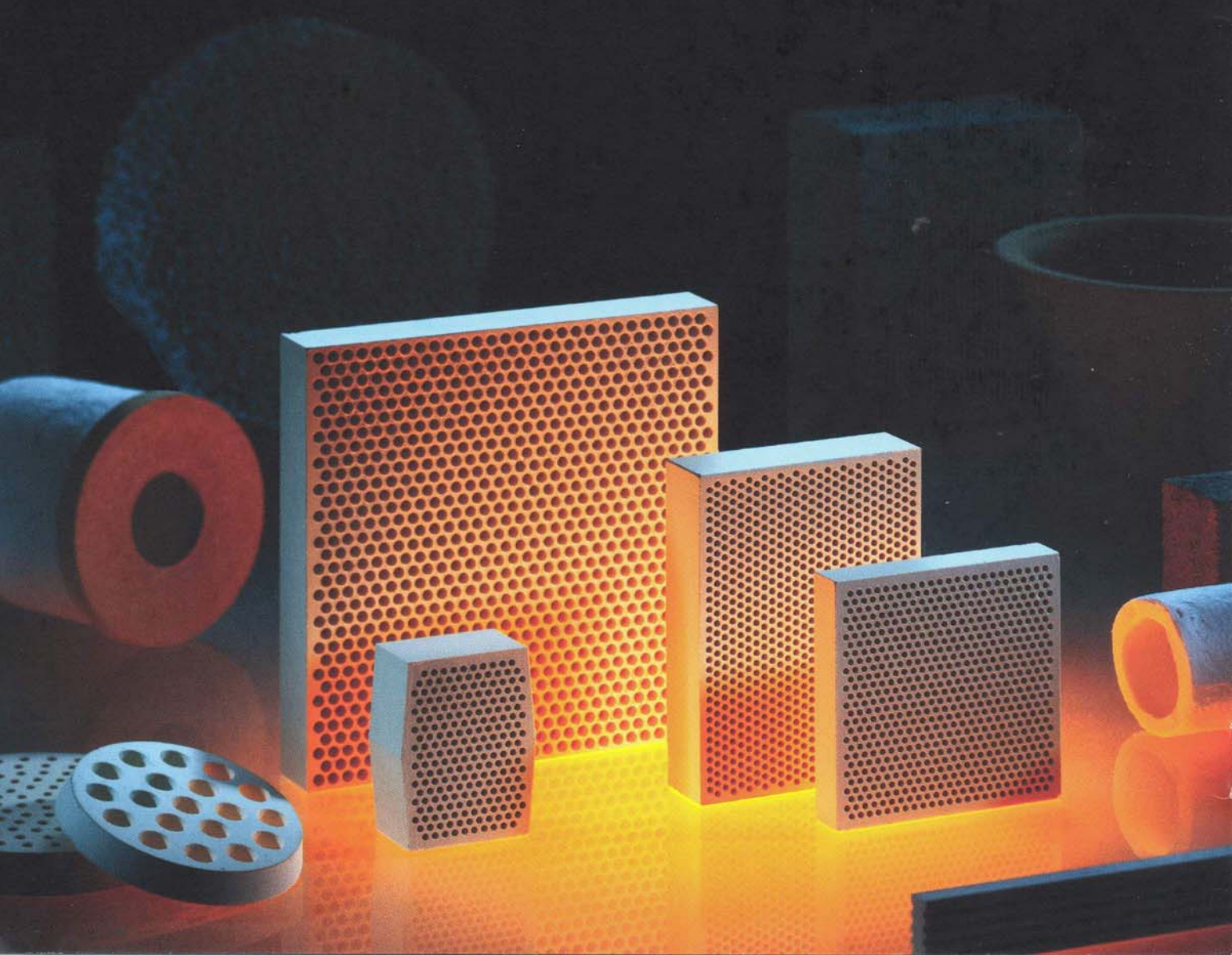


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If you want to get a head-start,
you need **the right partner.**





Innovative products for optimum casting.

Relying on a strong partner with intelligent, flexible solutions can enable you to cut production costs and raise the quality of castings. HOFMANN CERAMIC has been working closely with its customers in the foundry industry for over 70 years. This international customer base relies on innovative, high-quality ceramic products and a close working relationship with HOFMANN CERAMIC.



- We can be found where you need us
- We support your processes
- We manufacture customized solutions in line with your requirements
- We provide independent expert advice
- We ensure reliable deliveries
- We offer over 70 years of experience

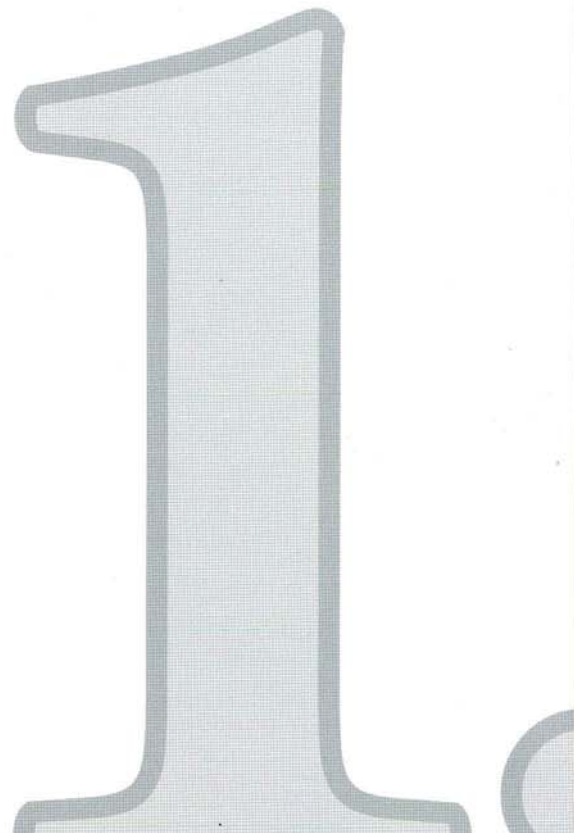
When quality and performance come first...

HOFMANN CERAMIC ensures the same high quality standards, the same recipes and the same standardized production processes at all its manufacturing locations worldwide – a key benefit for our international customer base.

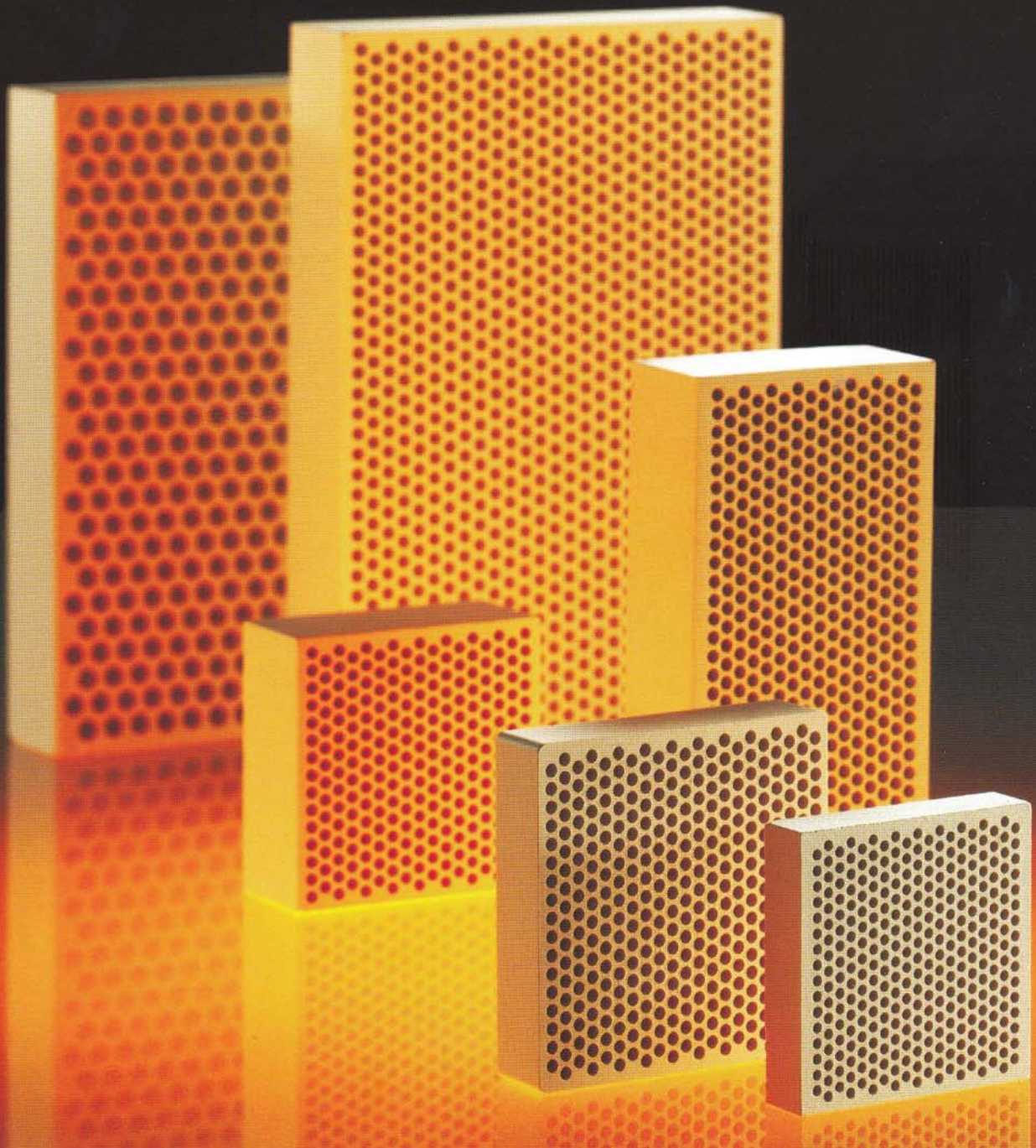
Many of our innovative products and their special production processes are protected by international property rights. Our quality management system is certified to **DIN EN ISO 9001**.



HOFMANN CERAMIC provides best quality for high-end foundry ceramics – on an international scale.

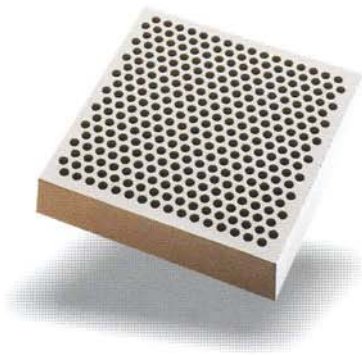


“We maintain the highest quality standards
our customers expect.”



Round-hole filters

One of the main causes of high rejection rates are inclusions in cast parts. But this is one area where quality standards can easily be raised. Rely on ceramic filters from HOFMANN CERAMIC, which have been tried and tested many millions of times in practice.

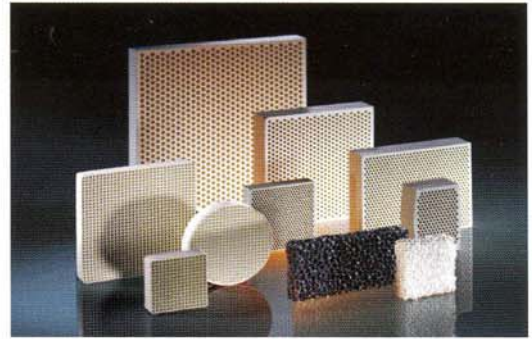


Filtered cast parts are not only much stronger, but also reduce wear and tear on processing tools by up to 15 percent.

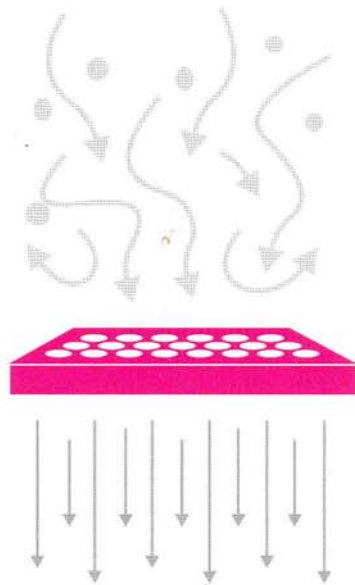
Our pressed, ceramic round-hole filters are produced using an in-house dry-pressing process that is unique worldwide. What's more, they are the only such filters on the market that are stamped "Made in Germany". Precisely calibrated flow rates ensure your casting processes are homogeneous, and the filters have already demonstrated their dimensional stability and quality for large castings weighing up to 50 t.

HOFMANN round-hole filters...

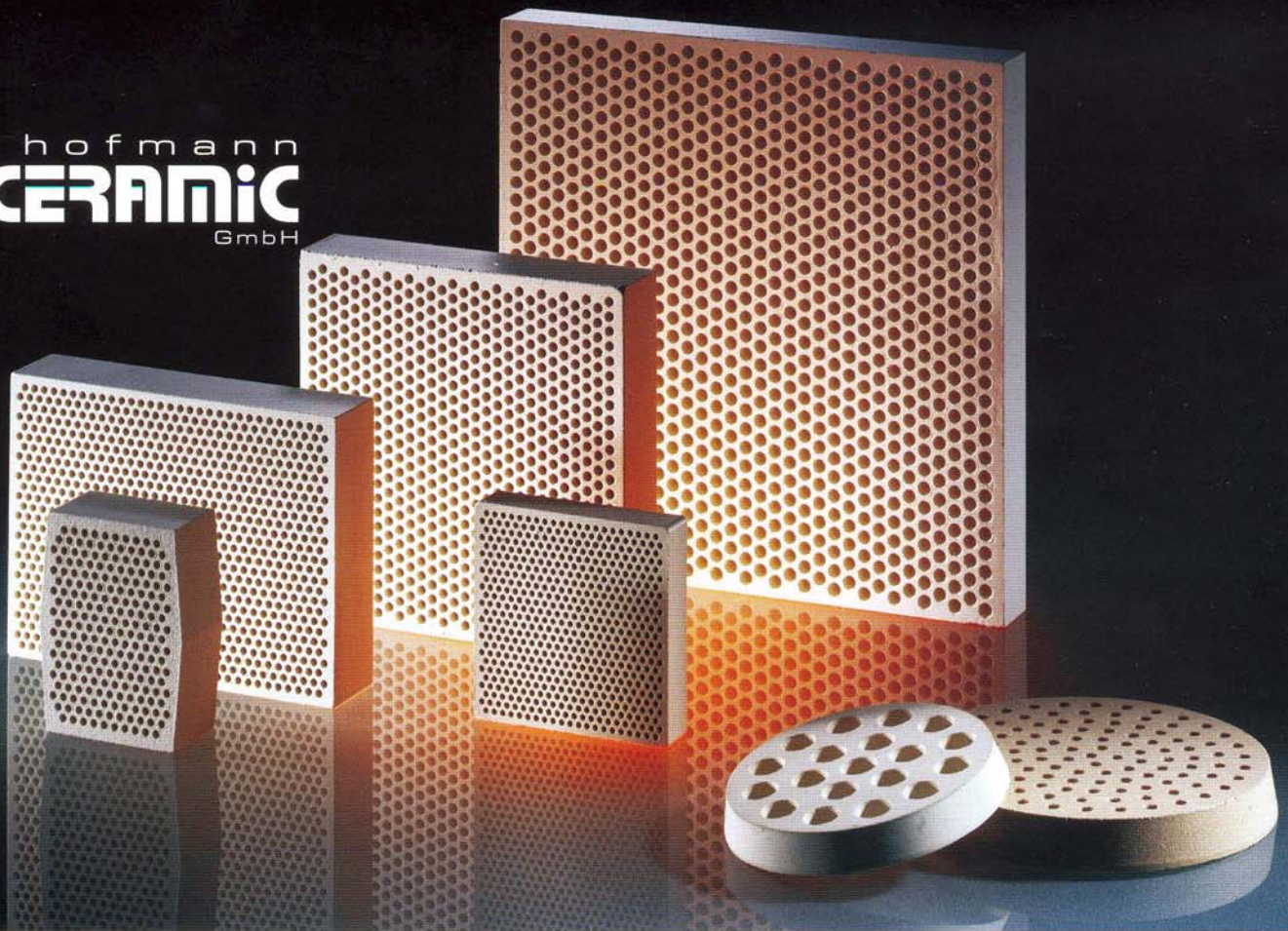
- can withstand the temperature shock at the feeder head without sustaining damage
- offer non-varying filter porosity
- are deformation-resistant and stable throughout the entire pouring time - minimise non-metallic inclusions
- encourage laminar flow
- are dimensionally stable thanks to a special manufacturing process
- are manufactured in an environmentally friendly process



We operate our own highly developed in-house tool manufacturing facilities and maintain excellent links with the scientific community. As a result, as well as creating first-class series products, we are also able to customize products to your own specific requirements.



Ceramic filters from HOFMANN CERAMIC encourage laminar, turbulence-free flow during casting. As a result, moulds fill evenly, thereby preventing the formation of both air inclusions and slag.



The right filter is all important.

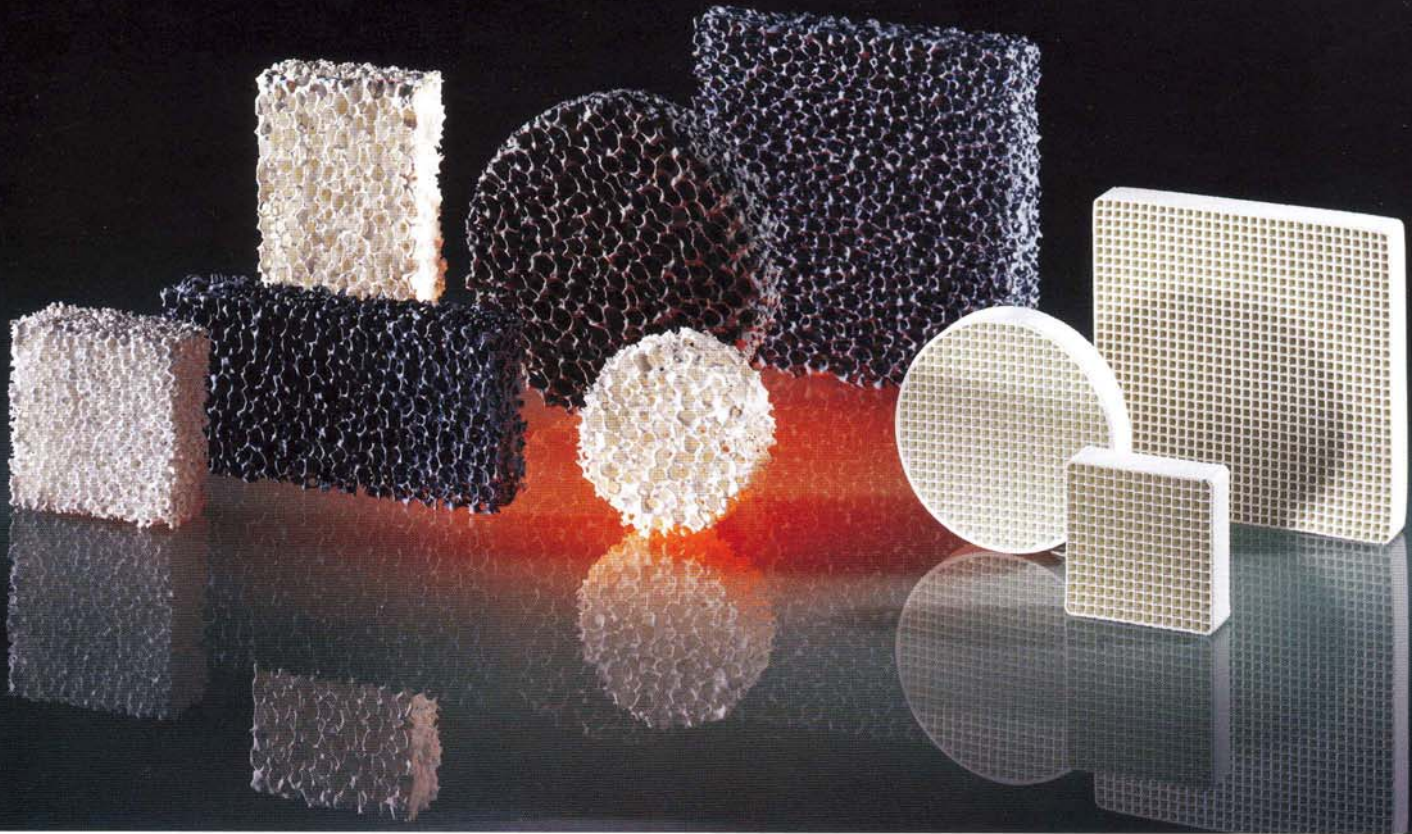
Minimum rejection rates and maximum quality are unachievable without the help of technical ceramics. And this is exactly where the innovative products of HOFMANN CERAMIC come into their own.

Round-hole filters:

Application area: Iron casting, nodular graphite iron casting, steel casting, heavy metal alloy casting, light metal alloy casting

All sizes also available for steel casting. On request, we will also produce customized solutions for special requirements.

application area (mm)	Max. casting rate (kg/sec.)			Maximum flow (kg)					
	L	x B	x Dmax	Cast Iron	Nodular graphite cast iron	Aluminium	Cast Iron	Nodular graphite cast iron	Aluminium
150 x 150 x 25	83	42	33	1118	559	391			
133 x 133 x 25	74	37	30	998	499	349			
150 x 100 x 22	48	24	19	642	321	225			
100 x 100 x 22	38	19	15	516	258	181			
100 x 75 x 22	27	14	11	365	183	128			
100 x 50 x 22	17	9	7	232	116	81			
90 x 55 x 15	16	8	7	229	114	80			
90 x 50 x 22	14	7	6	193	96	67			
82 x 82 x 22	26	13	9	349	174	122			
75 x 75 x 22	17	9	7	234	117	82			
75 x 50 x 22	13	7	5	178	89	62			
67 x 67 x 15	15	8	6	203	102	71			
60 x 60 x 22	12	6	5	158	79	55			
55 x 55 x 15	9	5	4	122	61	43			
50 x 50 x 22	8	4	3	103	52	36			
44 x 44 x 15	6	3	2	80	40	28			
43 x 43 x 22	5	3	2	80	40	28			
40 x 40 x 22	4	2	2	60	30	21			
37 x 37 x 15	4	2	1	53	26	18			
30 x 50 x 22	4	2	2	67	34	24			
∅ 60 15	9	4	3	116	58	40			



We also offer foam ceramic filters and extruded cell filters for all popular types of casting – all at exceptional quality levels established over decades of experience. Our foam ceramic filters boast outstanding flow accuracy and we can supply special dimensions and porosities.

Foam ceramic filters

Iron and aluminium casting	Steel casting
L x B x D (mm)	L x B x D (mm / inch)
35 x 35 x 22	50 x 50 x 25
40 x 40 x 22	55 x 55 x 25
50 x 30 x 22	100 x 100 x 25
50 x 50 x 22	75 x 75 x 25
55 x 55 x 12,7	3" x 3" x 1"
60 x 60 x 18	3" x 3" x 1"
65 x 65 x 18	100 x 100 x 25
75 x 50 x 22	100 x 100 x 30
75 x 75 x 22	4" x 4" x 1"
100 x 50 x 22	4" x 4" x 30
100 x 75 x 22	125 x 125 x 30
100 x 100 x 22	5" x 5" x 30
150 x 100 x 22	150 x 150 x 30
150 x 150 x 22	6" x 6" x 30

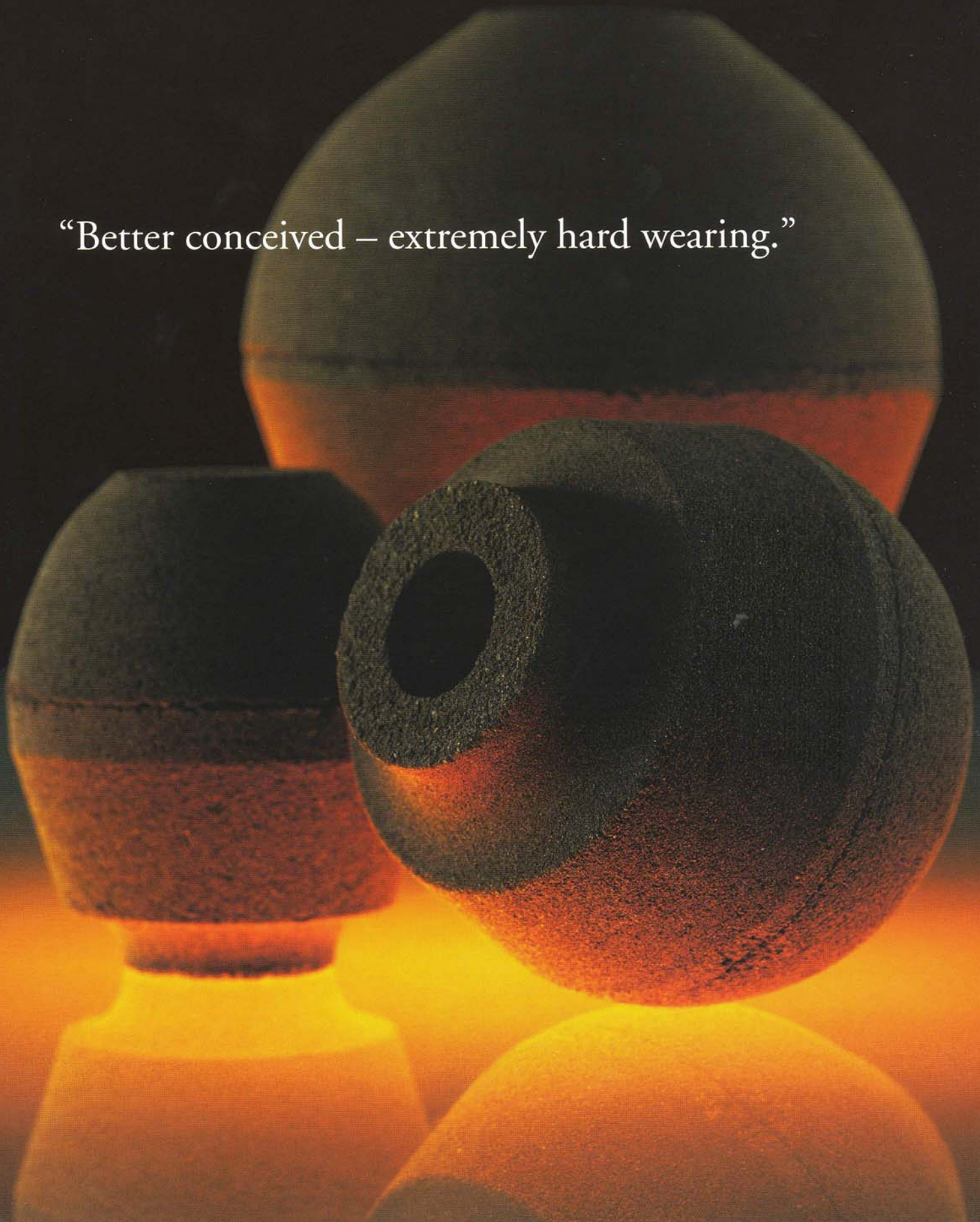
Cell Filters

Also available for steel casting. Other sizes on request. Subject to technical modifications without prior notice.

extruded cell filters	Maximum casting rate (kg/sec.)		Maximum flow (kg)	
	Cast Iron	Nodular graphite cast iron	Cast Iron	Nodular graphite cast iron
L x W (mm)				
37,5 x 37,5	1,8 - 2,9	0,7 - 2,1	38 - 55	13 - 27
38 x 38	2,0 - 3,0	-	40 - 60	-
40 x 40	2,1 - 3,2	1,5 - 2,3	42 - 63	15 - 43
43,5 x 43,5	2,2 - 3,3	1,6 - 2,8	47 - 88	16 - 45
50 x 50	2,5 - 4,1	2,0 - 3,4	50 - 110	20 - 55
50 x 50	5,2 - 7,5	-	85 - 170	-
55 x 55	3,5 - 5,5	2,5 - 3,75	70 - 135	23 - 68
66 x 66	5,5 - 8,0	3,75 - 5,5	90 - 210	45 - 110
75 x 75	5,7 - 9,8	5,5 - 8,8	150 - 360	68 - 170
81 x 81	6,0 - 11,0	5,5 - 10,0	160 - 390	68 - 180
∅ 50	2,4 - 4,0	-	45 - 100	-
∅ 50	2,6 - 4,2	2,1 - 3,5	65 - 130	35 - 65

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“Better conceived – extremely hard wearing.”



Feeders

If you want to prevent the shrinkage that can occur when a cast part cools, HOFMANN CERAMIC feeders offer the ideal solution. This product range comprises insulating and exothermic feeders to meet all requirements.



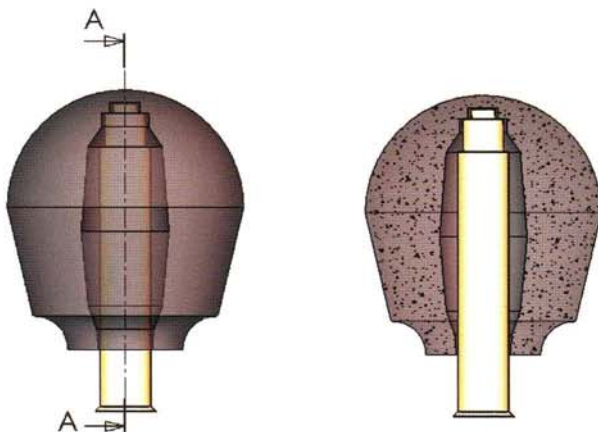
Particularly our large feeders excel by outstanding burn-off processes. Simply ask for our firing curve diagrams.



The unique EXHOF-L feeder and its innovative geometry offer the optimum solution specifically for machine moulding. Only a few sizes cover all application areas. **Advantage: Exceptional structure formation**

HOFMANN feeders...

- are made from a highly exothermic material with a low fluorine content for iron and steel casting
- ensure high yield
- are ideal even for tricky positioning conditions thanks to their low feeder height
- can be used without breaker cores
- enable you to vary the distance between casting and feeder
- ensure outstanding mould compaction under the feeder neck
- are suitable for all moulding plants
- are non hygroscopic



Feeder size	Module	Vol.	Height
(Ø in mm)	(cm)	(cm ³)	(mm)
60	1,1	18	60
70	1,3	28	80
80	1,5	50	90
90	1,7	73	100
100	2,0	112	110
120	2,3	186	120
130	2,7	260	130
140	3,3	332	140
140L	3,5	410	160

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“Less wear and tear and a more even structure.”



SiC chill-plates

HOFMANN CERAMIC supplies cooling elements that cool heat centres on cast parts during casting without a feeder. The silicon-carbide that is used has a more limited chill effect than graphite and cast iron. As a result, the surface of the casting turns out less hard.



If complicated contours need to be cooled, and it is not possible to create standard dimensions, simply use our mouldable SiC chill mass. It can be prepared and processed just like cold-setting resin sand.

Advantage: More even structure and less wear and tear on the casting.

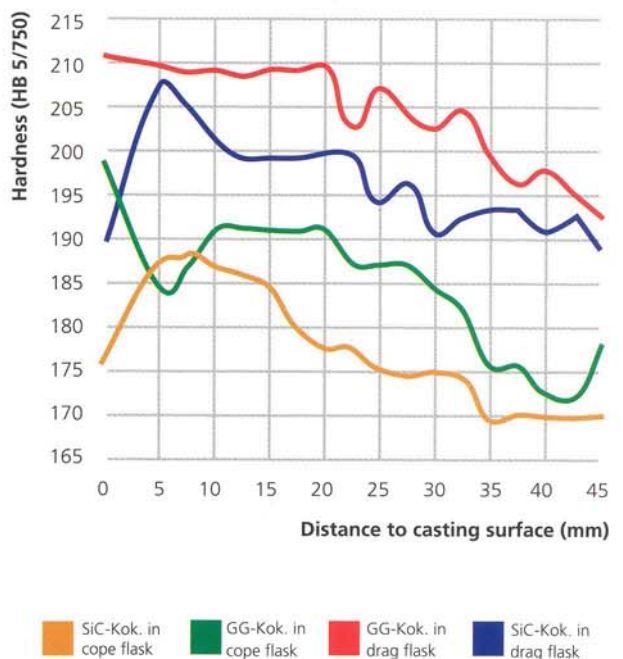
HOFMANN SiC chill-plates

- prevent surfaces from becoming extremely hard
- ensure an even structure
- prevent the formation of condensate
- ensure optimum casting surfaces
- prevent shrinkage
- cut processing costs

Dimensions:

L x B x D (mm)		
250 x 125 x 65	170 x 125 x 65	100 x 70 x 50
200 x 100 x 100	150 x 80 x 40	100 x 50 x 50
200 x 100 x 50	150 x 50 x 50	100 x 50 x 40
200 x 100 x 40	150 x 50 x 40	100 x 50 x 30
200 x 100 x 30	140 x 70 x 40	100 x 40 x 40
200 x 50 x 50	100 x 100 x 50	100 x 40 x 30
200 x 50 x 30	100 x 100 x 40	50 x 50 x 50
200 x 40 x 30	100 x 100 x 30	

Hardening process when using iron on SiC chill-plates



Maximum precision casting.



Ceramic Parts for investment casting

HOFMANN CERAMIC manufactures the following products specifically for investment casting:

- Ceramic pouring funnels
- Cross shaped ceramic stands and other stands in a wide range of shapes and sizes
- Ceramic tie rods and tie bars

Refractory parts

- Monoblock Stopper
- Tundish Nozzles

On request, we will also produce customized solutions.

Let us know what you need!



Close at hand - worldwide.



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