CAT
International Ltd

**Specialist**
filtration for large
**Iron Castings**

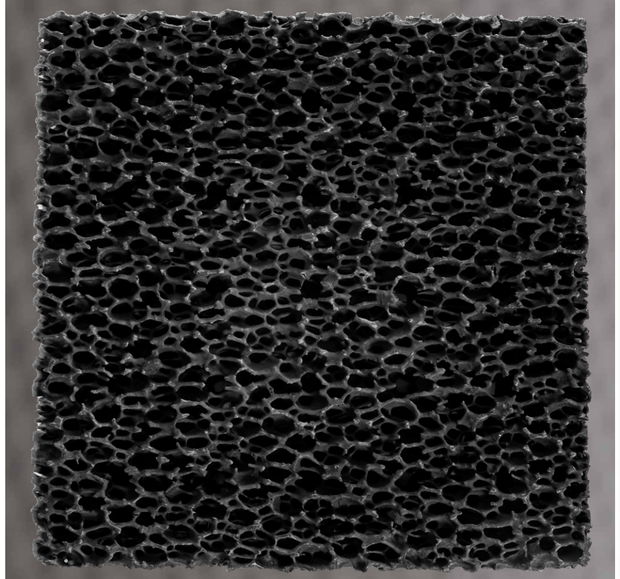
25 YEARS
25 YEARS OF CERAMIC INNOVATION



# CERACAT FILTERS FOR IRON

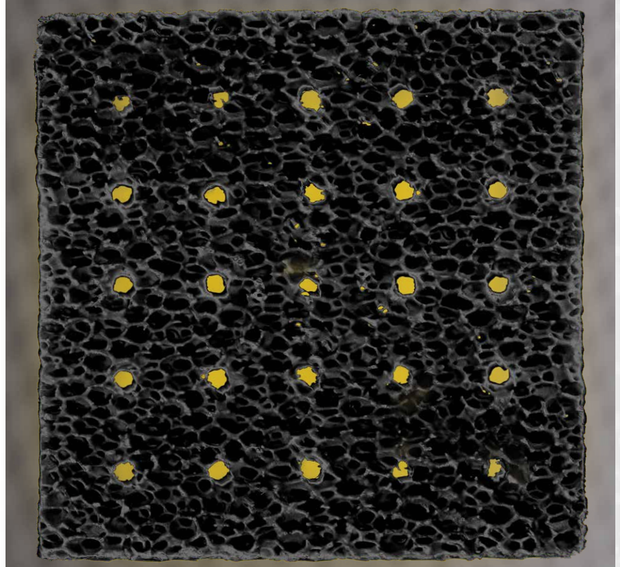
## ONE RANGE. THREE LEVELS OF CAPACITY.

**CERACAT MAX**



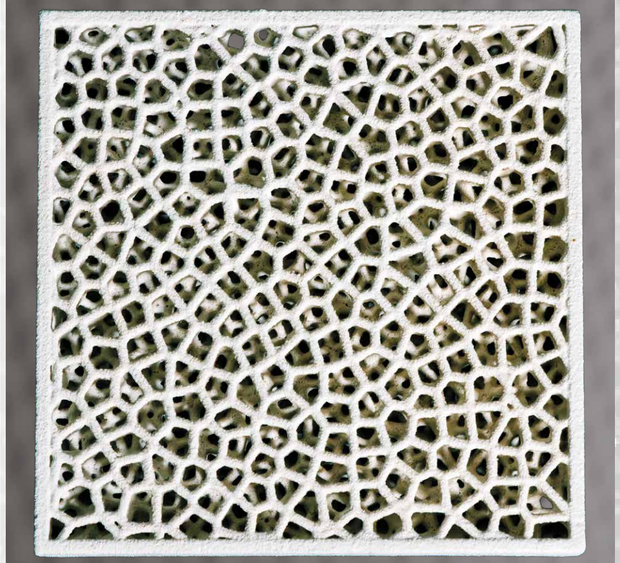
**x1** CAPACITY
3.6kg/cm²

**CERACAT MAX HC**



**x2** CAPACITY
UP TO 7.0kg/cm²

**CERACAT 3D**



**x3** CAPACITY
UP TO 11.0kg/cm²

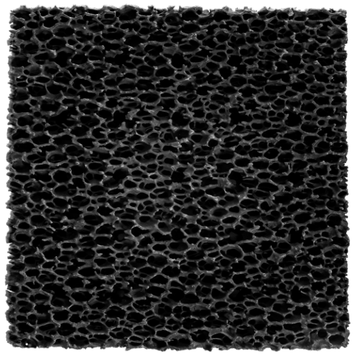
## GREATER CAPACITY. FEWER FILTERS. REDUCED GATING.

**www.cat-intl.com**
For more information **visit our website** or **scan the QR Code.**

**Developed** & **Manufactured** in the **UK**. Delivered Worldwide.
Tel: **+44 (0) 1889 271755** | Email: **sales@cat-intl.com**
**CAT International Ltd** | Hixon Industrial Estate | Church Lane | Hixon | Staffordshire | **ST18 0PY**

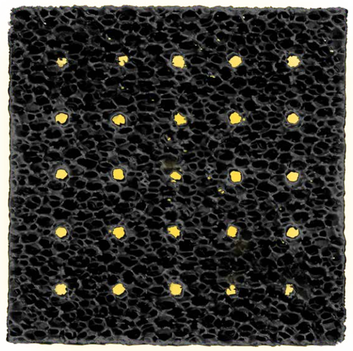
# WHICH CERACAT?

FILTER SELECTION FOR DUCTILE / SG IRON



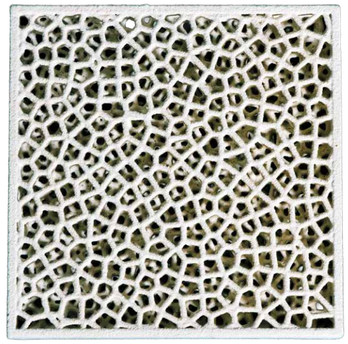
**CERACAT MAX**

- Standard capacity is sufficient
- Mould space is available
- More than one filter can be used
- Lowest initial filter cost is the main priority
- Required flow rate is within validated limits



**CERACAT MAX HC**

- Standard CERACAT MAX capacity is insufficient
- Fewer filters are preferred
- Mould space is restricted
- One filter is required to replace two standard filters
- Insufficient capacity with conventional foam filters
- Approximately twice the validated capacity of CERACAT MAX is needed in the same nominal size



**CERACAT 3D**

- Maximum capacity is required
- Very few filter positions are available
- Highly controlled flow is important
- Gating space is severely restricted
- A premium engineered solution is justified
- Standard foam or MAX HC cannot satisfy both capacity and flow requirements
- The casting is particularly critical

# CERACAT CAPACITY

DUCTILE / SG / GJS / GGG IRON

| SIZE | CERACAT MAX | CERACAT MAX HC | CERACAT 3D |
|---|---|---|---|
| | KG | KG | KG |
| **100X100X25** | **360** | **680** | **1080** |
| 125X125X30 | 565 | 1100 | 1695 |
| **133X133X22** | **636** | **1240** | **1908** |
| 150X150X30 | 810 | 1620 | 2430 |
| **175X175X30** | **1100** | **2145** | **3300** |
| 200X200X35 | 1440 | 2800 | 4320 |
| **225X225X35** | **1820** | **3550** | **5460** |
| 250X250X40 | 2250 | 4380 | |
| **300X300X45** | **3240** | **6300** | |
| | | | |
| **D125X30** | **440** | **860** | **1320** |
| D150X30 | 635 | 1238 | 1905 |
| **D200X35** | **1125** | **2200** | **3375** |
| D255X40 | 1750 | 3450 | 5250 |
| **D300X45** | **2500** | **4500** | **7500** |

KG — Capacity values indicate **safe filtration capacity** in kg **per filter**

Based on typical **ductile Iron filtration** with **10 PPi foam**

Higher Capacity. Fewer filters. Simple **Gating.** **Lower cost**

As a general industry guideline, filter capacity in grey iron, GJL may be approximately twice that achieved in ductile iron, owing to the lower level of magnesium treatment reaction products. Actual capacity remains dependent on metal cleanliness, temperature, treatment practice, filter porosity and gating design.

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