

AQC0571 | NAN-CTX000018

Nanopublication – Internal Metal Armature for Structural Engineering

by Arnaud Quercy · GRIMOIRE · 2024



CLAIM 3: INTERNAL METAL ARMATURE FOR STRUCTURAL ENGINEERING

The sculpture required internal structural reinforcement to achieve its vertical composition. A metal tube armature, capable of withstanding 1300°C firing temperatures, provides the internal skeleton that allows ceramic forms impossible through clay alone.

CONTEXT

Ceramic as a material resists vertical complexity. Clay shrinks during drying, stresses accumulate at joints, and gravity works against stacked forms during firing. The ascending composition of GRIMOIRE [1] – open book supporting prism, hexagon, and oval – exceeds what ceramic structure alone can sustain.

The solution required internal reinforcement: a metal tube armature capable of withstanding kiln temperatures of 1300°C. This skeleton provides structural continuity from base to crown, allowing the ceramic forms to be built around a stable core. The armature remains invisible in the finished work but is essential to its existence.

This engineering approach extends ceramic practice beyond its conventional formal limits, enabling sculptural ambitions that pure clay construction cannot achieve.

REFERENCES

[1] Arnaud Quercy (2024). GRIMOIRE – Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0571.html>

[2] Quercy, A. (2024). GRIMOIRE – Artwork Catalog. https://artquamanima.com/en/artworks/2024/01/grimoire_6ea.html

[3] Quercy, A. (2025). Ceramic Standards – MMIDS-CER-2025. <https://multimodal.institute/en/publications/2025/11/mmids2025cer-ceramic-technique-specification-cwj.html>

[4] Physical Specifications – AQC0571. <https://multimodal.institute/en/nanopubs/2025/12/AQC0571-physical-specifications.html>

WHERE THIS WORK LIVES

THEMATIC ELEMENTS

- rhodium enamel ceramic
- geometric ceramic sculpture
- Spells and Magic collection
- grimoire sculpture
- contemporary ceramic art
- stacked geometric forms
- metallic enamel finish
- open book form

EPISTEMIC PROFILE

Claim type	artistic statement
Voice	third person
Epistemic status	factual record
Methodology	studio practice
Certainty	high

CHECKSUM (SHA-256)

e534e767dad1bfec5d6728d7da5785ecb40f9c2e0c4a1f33cf12de2a1b7686a5

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