

AQC0571

# Nanopublication — Internal Metal Armature for Structural Engineering

by Arnaud Quercy · GRIMOIRE · 2024



TECHNICAL SPECIFICATION THIRD PERSON FACTUAL

RECORD STUDIO PRACTICE HIGH

## 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>  
<https://arnaudquercy.art/fr/catalogue-raisonne/AQC0571.html>
- [2] Quercy, A. (2024). GRIMOIRE — Artwork Catalog. [https://artquamanima.com/en/artworks/2024/01/grimoire\\_6ea.html](https://artquamanima.com/en/artworks/2024/01/grimoire_6ea.html)
- [3] Quercy, A. (2025). Ceramic Standards — MMIDS-CER-2025. <https://multimodal.institute/en/publications/2025/10/mmids2025cer-ceramic-technique-specification-cwj.html>
- [4] Physical Specifications — AQC0571. [https://multimodal.institute/en/nanopubs/specifications/2025/12/aqc0571\\_physical-specifications\\_gey.html](https://multimodal.institute/en/nanopubs/specifications/2025/12/aqc0571_physical-specifications_gey.html)

### CHECKSUM (SHA-256)

e534e767dad1b-  
fec5d6728d7da5785ecb40f9c2e0c4a1f33cf12de2a1b7686a5

<b>Artist</b>	Arnaud Quercy
<b>Date</b>	2024
<b>Collection</b>	Spells and Magic
<b>Certificate</b>	20240428-0067
<b>Asset code</b>	AQC0571
<b>Version</b>	1
<b>Generated</b>	2026-02-22

© 2026 Multimodal Institute

Published by: Art Quam Anima New York LLC — [publishing.artquamanima.com](https://publishing.artquamanima.com)

Date of publication: 2026-02-22

Persistent URI: <https://multimodal.institute/en/nanopubs/2026/02/AQC0571-internal-metal-armature-for-structural-engineering.pdf>

Content available under Creative Commons Attribution-NonCommercial 4.0 License (CC BY-NC 4.0)