Specification

SOURCE:
https://support.zortrax.com/endureal-specification/

The following table summarizes technical specification and operational characteristics of the Zortrax Endureal.

Device	
Build Volume	400 x 300 x 300 mm [15.7 x 11.8 x 11.8 in]*
Nozzle Diameter	0.4 mm [0.016 in]
Extruder	Dual material
Extruder Cooling System	Two fans cooling the extruder, radial fan cooling the print
Hotend	High-temperature dual hotend**
Platform	Heated; aluminum plate coated with PEI
Material Sensors	2 x mechanical endstop, 2 x material weight sensor
Connectivity	Wi-Fi, Ethernet, USB
Operating System	Android
Processor	Quad Core
Touchscreen	7? IPS 1024 x 600
Camera	Yes
Printing	
Technology	LPD Plus (Layer Plastic Deposition Plus) advanced technology depositing melted thermoplastics with break-away and dissolvable support structures
Layer Resolution	200-250 microns (for 0.4 mm/0.016 in nozzle)
Minimal Wall Thickness	450 microns (for 0.4 mm/0.016 in nozzle)
Platform Levelling	Automatic measurement of platform points' height
Filaments	
Available Filaments	Full offer is available at: filaments
Support	Mechanically removed – printed with the same material as the model Break-away – printed with a different material than the model Soluble – printed with a different material than the model
Filament container	Spool
Filament diameter	1.75 mm [0.069 in]
Temperature	
Maximum printing temperature (extruder)	480° C [896° F]

Maximum Platform Temperature	220° C [428° F]
Maximum Build Chamber Temperature	200° C [392° F]
Ambient Operating Temperature	17-30° C [63 – 86° F]
Storage Temperature	0 – 35° C [32 – 95° F]
Electrical	
AC Input	120 V ~ 13 A 50/60 Hz 200 – 240 V ~ 9.5 A 50/60 Hz
Maximum Power Consumption	120 V – 1600 W 200-240 V – 2300 W
Software	
Software Bundle	Z-SUITE
Supported File Types	.stl, .obj, .dxf, .3mf, .ply
Supported Operating Systems	Mac OS Catalina and newer versions / Windows 10 and newer versions

*In dual-extrusion mode project’s dimensions cannot exceed 390 mm (15.35 in) in the X axis and/or 290 mm in the Y axis.
**Remember to use a separate high-temperature hotend module with each high-temperature material type you use.