



magigoo

all-in-one 3D printing adhesives

Adhesion with magical release. v1.5 September 2019

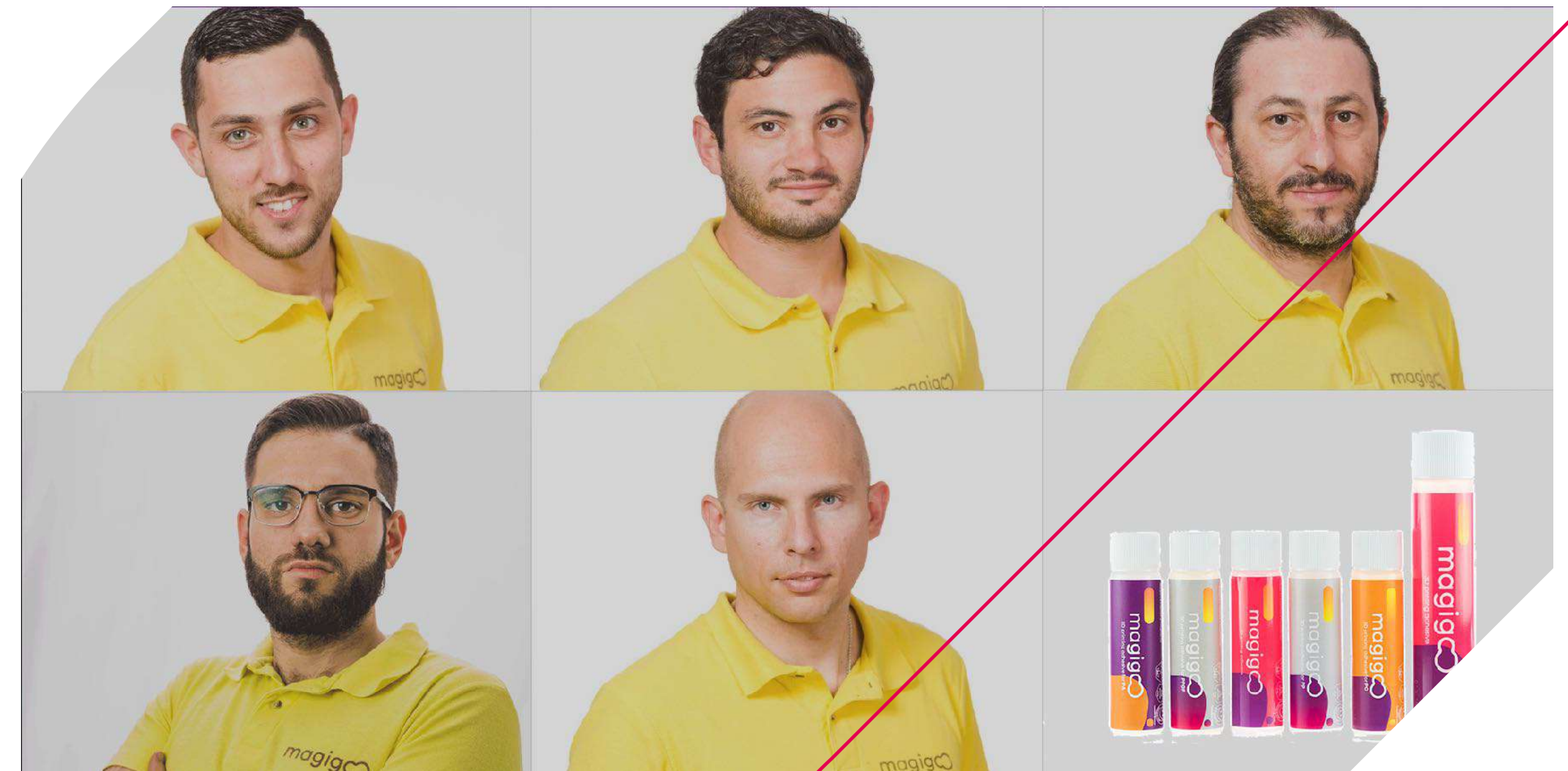
magigoo.com

Thought3D

Founded in 2014 in Malta. T3D was setup as an R&D company focusing on disrupting the Additive Manufacturing and 3D Printing Space.

The company experienced the first layer adhesion problem first hand and came up with a novel smart adhesive, that sticks when hot and releases when cold.

Today, Thought3D produces and sells Magigoo® and Magigoo® PRO adhesives worldwide through a network of resellers and industry partners.



“We combine knowledge of 3D printing, materials and chemistry and provide products for reliable additive manufacturing”

Magigoo® Product Series

Magigoo® Original

FFF 3D Printing Bed Adhesives
for reliable 3D printing and
easy release of PLA, ABS,
PETG, HIPS and TPU filaments.



Magigoo® Professional

Specialty FFF 3D Printing Bed
Adhesives for reliable 3D
printing and easy release of
Polycarbonate, Polypropylene,
and Polyamide.



Magigoo® Original Series

This series is designed as an easy to use 3D printing adhesive addressing “the first layer non-stick problem”, the most common problem found in FDM 3D printing technology. This standard adhesive works for most commonly printed filaments e.g. PLA, ABS, PETG, TPU.

It comes in the following product formats:

Sample
Sachet

50 ml
Bottle

120 ml
Bottle

What is special about Magigoo® Original Series

What is Magigoo® for?

Magigoo is an easy to use 3D printing adhesive designed to address “the first layer not sticking problem”, the most common problem found in FDM 3D printing technology. This problem occurs when a print detaches itself from the printing platform ruining itself.

Magigoo is different than other products as its has non-hazardous mix of chemicals allowing for safe use and unrestricted shipping. It has a unique easy release mechanism that sticks while the build plate is hot and releases once cooled down. It provides further convenience as it is easily cleaned with just water.

Magigoo is probably the only adhesive that comes with support. The Magigoo Team is always ready to advise on any issues or concerns of its users.

Magigoo original works with most commonly printed plastics e.g. PLA, ABS, HIPS, PETG, HIPS, TPU and has been already recognised by many well known vendors of filament materials and 3D printer manufacturers.

- Printing bed temperatures:

40–60 °C / 104–140 F for PLA

90–110 °C / 194–230 F for ABS

60–85 °C / 140–185 F for PETG

90–110 °C / 194–230 F for HIPS



It's easy to stay in control

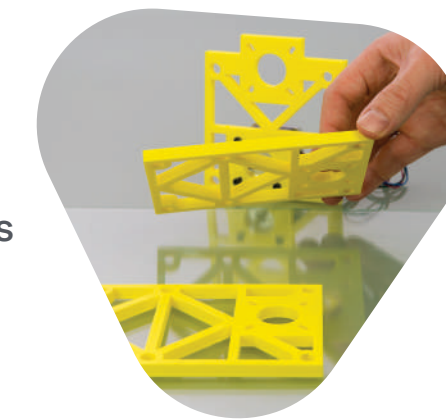
#InControl #Effortless #ThinLayer #NoWarp #ReliablePrinting

Applying Magigoo on the build plate is quick and easy. You can choose to cover whole bed or a specific area, print with or without brims. The adhesive will compensate for small errors in bed levelling or print settings.

Experience release magic

#NoScrapers #EasyRelease

Save time and effort. Once print is cooled it literally detaches itself. Magigoo can act as a good release agent. It's specially useful in cases of excess adhesion on any surface.



Prolong your 3D printer's life

#EasyClean #WaterSoluble #PrinterFriendly

Its easy to clean, just use water or damp cloth. Should your first layer be still stuck, adding a few drops of water will detach your print safely and not break your bed. Magigoo will not clog your nozzle or damage your printer nor printer bed.



Multi material



No hazards



Long-lasting



Easy to apply



Multi Surface



No shipping restrictions



Odourless



Easy to release

Magigoo® Original Series



Magigoo® 50ml Pen Bottle Consumer Product

Product includes:

- 50ml Pen (1.69 fl.oz)
- Instructions leaflet

Works on:

- Aluminium,
- Glass, and
- Other Surfaces

Used for:

PLA, ABS, HIPS,
PETG and TPU

-

Box 165mm x 35mm x 35mm



Magigoo® 120ml Pen Bottle Consumer Product

Product includes:

- 120ml Pen (4.0 fl.oz)
- Instructions leaflet

Works on:

- Aluminium,
- Glass, and
- Other Surfaces

Used for:

PLA, ABS, HIPS,
PETG and TPU

-

Box 170mm x 40mm x 40mm



Magigoo® Sample Sachets Workshops or Bundling

Product includes:

- 2ml / 0.07fl.oz Sachets

Works on:

- Aluminium,
- Glass, and
- Other Surfaces

Used for:

PLA, ABS, HIPS, PETG and TPU

-

Sachet 40mm x 40mm x 2mm

Simple and affordable way to try MAGIGOO®

Sample pack has been specially designed with new adopters in mind. Its conveniently small and easy to hand out, either in person at trade fairs or just send by ordinary post. Its one time use packaging makes it the ideal product also for 3D printing related workshops.

Bundle with everything!

Sample pack is convenient to bundle with other relevant products like samples of 3D printing plastic, filament rolls or other.

Magigoo® Original **How to Use**

Application of 10, 50, 120ml Pen Bottle & Sample Sachet.

Step 1: Shake

Pen Bottle



Shake **Magigoo® Pen Bottle** well before applying the product.

Step 2: Press



Press the nib against the surface to activate the spring. Do not press the bottle.

Step 3: Apply



Apply a thin even layer on the cold build plate of the printer.

Step 4: Print & Peel



After printing wait until build plate is cool and gently peel away.

Step 5: Clean



After use, clean with water and damp cloth.

Sample Sachet



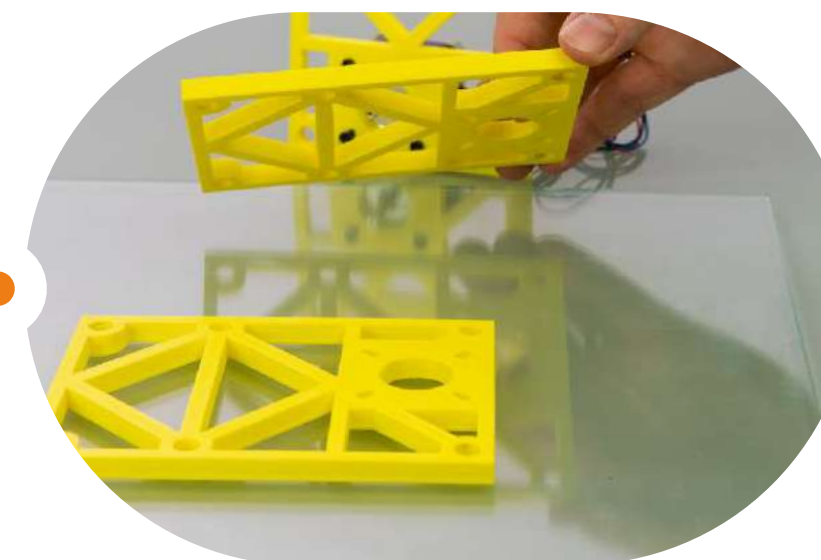
Tear **Magigoo® Sample Sachet** pack to open and apply.



Apply a thin even layer on the cold build plate of the printer.



Collect excess on the sides and remove with tissue or cloth.



After printing wait until build plate is cool and gently peel away.



After use, clean with water and damp cloth.

Magigoo® Original **Case Study**

In July 2019 BCN3D Technologies added Magigoo Original to each of their printer box

Magigoo® provides additional reliability

After 6 months of rigorous testing for the best adhesive available to FDM/FFF 3D Printing market, BCN3D Technologies opted for Magigoo as their standard glue to be bundled with each 3D printer sold.

Piece of mind and added value

Magigoo adhesives were chosen because of:

- Great results with all filaments BCN3D Printers provide and with select third party filaments as well.
- Safe and non hazardous and non flammable formulation allowing easy worldwide shipping
- Provided additional end-user support

“Magigoo is allowing us to make our product more reliable than before in terms of user experience”

Eric Pallares, BCN3D CTO.
(2019)



Magigoo® Original **Case Study**

In February 2018 BigRep added Magigoo Original 120ml to their product offering

Magigoo® provides additional reliability

After 4 months of testing for the best adhesives available to FDM/FFF 3D printing market, BigRep decided to use Magigoo original adhesive in-house for the most challenging 3D prints and also added it to its approved and validated products

Easy release for large scale prints

Magigoo adhesives were chosen because of:

- Easy application for large surfaces
- Providing additional adhesion for challenging prints
- Providing easy release for large format prints

“BigRep customers expect high-quality end products. Magigoo is a reliable product that helps our dependable workhorse printers to achieve great large-scale results.”

Moshe Aknin, Chief Technology Officer at BigRep. (2018)



Magigoo® Professional Series

This series is designed as an easy to use 3D printing adhesive for engineering filaments addressing “the first layer not-sticking problem”.

It comes in the following product ranges.

PP GF
50ml

PP
50ml

PC
50ml

PA
50ml

Flex
50ml

HT
50ml

PRO
Kit



Magigoo® Professional Series

The Magigoo® PRO Series range

This series includes most specialty adhesives you will ever need.

If you are printing with engineering materials from Dow, DuPont, DSM, Owens Corning, BASF, Fillamentum, Clariant, Polymaker, Formfutura, Levhoss and others and need to apply additional layer of adhesion for improved and reliable 3D printing, seek no further. Most polypropylene, polycarbonate, nylons and more commonly used filaments PLA, ABS, PETG are covered.

Adhesives were developed by testing engineering filaments from above mentioned brands on Ultimaker S5.

Compatible with materials and 3D printers



Magigoo® Professional Series



Magigoo® PP GF
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass

Used for:

XSTRAND GF30 PP by Owens Corning
BASF Innofil3D PP GF30

-
Box 165mm x 35mm x 35mm



Magigoo® PP
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass

Used for:

PP Filaments

-
Box 165mm x 35mm x 35mm



Magigoo® PC
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass

Used for:

PC filaments

-
Box 165mm x 35mm x 35mm



Magigoo® PA
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass

Used for:

PA filaments

-
Box 165mm x 35mm x 35mm



Magigoo® Flex
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass

Used for:

TPE and TPC filaments

-
Box 165mm x 35mm x 35mm



Magigoo® HT
50ml Pen Bottle
Professional User Product

Product includes:

- 50ml Pen
- Instructions leaflet

Works on:

- Glass, Garolite Sheet

Used for:

PEEK, PEKK and high temperature filaments

-
Box 165mm x 35mm x 35mm

Magigoo® Professional Series

Magigoo® PRO Kit

Professional User Product

PRO Kit includes:

- x1 : 50ml Magigoo® ABS Pen Bottle
- x1 : 50ml Magigoo® PP Pen Bottle
- x1 : 50ml Magigoo® PC Pen Bottle
- x1 : 50ml Magigoo® PA Pen Bottle
- x1 : Magigoo® Cleaning Cloth
- Folded Instructions Leaflets

Works on:

- Glass

Used for:

PLA, ABS, HIPS, PETG, TPU,
PP, PC, Nylon filaments

-

Box 255mm x 40mm x 150mm



MAGIGOO®
PRO Kit
Perfect to bundle with high-
end 3D printers

Magigoo® PRO Series PP GF 50ml Pen Bottle



Bed adhesive designed for polypropylene glass fibre composite filaments. Easy to apply. Sticks when hot and releases when cooled down. Easy to clean.

Works with:

- XSTRAND™ GF30-PP by Owens Corning
- BASF Innofil3D Ultrafuse® PP GF30

"The future is bright and solutions like Magigoo make the pursuit of what's currently considering impossible a bit more realistic."

Chris Skinner, VP of Strategic Marketing
in Owens Corning (2018)



Magigoo® PRO Series PP 50ml Pen Bottle



**Bed adhesive designed for polypropylene filaments.
Easy to apply. Sticks when hot and releases when
cooled down. Easy to clean.**

Works with:

- Verbatim PP
- Formfutura® Centaur PP
- Smart Materials 3D PP
- BASF Innofil3D PP Natural
- Other neat PP filaments

"I test a lot of materials from different companies on a daily basis. It is extremely important for me that the test of these filaments is reliable and non-problematic. Magigoo PP gives me confidence that the polypropylene test will be effective and will give me the right results"

Mikołaj Skorupa 3D Printing
Application Engineer in
3DGence (2019)

PEEK

HT_{max}
inside



3DGence
INDUSTRIAL
F340



Magigoo® PRO Series

PC 50ml Pen Bottle



Bed adhesive designed for polycarbonate filaments. Easy to apply, releases easily. Can be used even on surfaces. Easy to clean.

Works with:

- Polymaker PolyLite™ and PolyMax™ PC filaments
- Clariant™ PC and PC+ABS
- BASF Innofil3D ASA Natural
- Fillamentum PC+ABS
- Other polycarbonate filaments

“There are other techniques for ensuring a good adhesion for PC parts, however, none of them work as seamlessly as Magigoo.”

Luke Taylor
Marketing Manager at Polymaker (2019)

Magigoo® PRO Series

PA (Nylon) 50ml Pen Bottle



Bed adhesive designed for polyamide (nylon) filaments. Easy to apply. Sticks when hot and releases when cooled down. Easy to clean.

Works with:

- DSM Novamid® PA 1030, 1030CF, 1070
- BASF™ Innofil3D PAHT
- Clariant™ PA6/66 FR, PA6/66 GF20 FR
- DuPont™ Zytel®
- Matterhackers Nylon X, PRO and G
- Polymaker PolyMide™ PA6-CF and CoPA

Magigoo PA was successfully tested with DSM Novamid® PA materials



Magigoo® PRO Series Flex 50ml Pen Bottle



Bed adhesive designed for thermoplastic elastomer copolymers (TPE). Easy to apply, releases easily. Easy to clean.

Works with:

- DuPont™ Hytrel® filaments
- DSM Arnitel® 2045 and 2060HT
- Other flexible materials

Magigoo Flex showed improved adhesion for DuPont™ Hytrel® filaments



Magigoo® PRO Series

High Temperature 50ml Pen Bottle



Bed adhesive designed for high temperature filaments e.g. PEEK. Easy to apply, releases easily. Can be used on Garolite®. Easy to clean.

Works with:

- Solvay KetaSpire® PEEK
- Essentium™ PEEK
- Other PEEK, PEKK and similar materials

"We love using Magigoo HT with Essentium PEEK filament! We used to have parts come off our bed when using PVA, but since switching to Magigoo HT we have not had a single print failure from poor bed adhesion."

Brandon Sweeney Ph.D.
Head of R&D - Materials,
Essentium Inc. (2019)



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