

Cardstock Research

I visited the Scale Scenes page; “Not modelling in OO (1:76) or N (1:148) scales?”
<https://scalescenes.com/not-modelling-in-n-or-oo/?v=7516fd43adaa>

“As long as your printer has the ability scale pages up or down there is no reason why you can't build any of the kits other scales. Your printer's 'Scaling' options is usually found in the 'Advanced', 'Properties' or 'Page Setup' section of your Adobe Reader print window. Please consult your printer's 'Help Index' for more details.

If you are modelling in HO (1:87) or N (International 1:160) all products on Scalescenes.com can be resized down using table below.”

Here they specifically mention HO along with resizing.

“For HO (1:87) or International N (1:160) the card thicknesses can remain as recommended in the instructions, for other scales it is a good idea to adjust the recommended card thicknesses accordingly.”

I found that this did cause problem during the construction.

That caused me to do further research to see if other “thickness” could be found to be used with HO scale (1:87)

The Research

On the instruction sheet, the papers are listed as;

“**Light Card:** Glue printed sheet to: OO approx 200gsm N approx 80gsm”

87% of 200gsm (grams per square meter) is 174gsm.

I found 175gsm and 176gsm card stock on Amazon. It is also noted as 65lb. Looks like it might be between 10pt and 12pt. (https://www.cardstock-warehouse.com/pages/cardstock-paper-basis-weight-chart?srsltid=AfmBOoqoHggXX29gH6387zQx9EY1prlygRGLZ_Z84CSqsn5bf-KOjYuR)

https://www.amazon.com/Neenah-Bright-Cardstock-Sheets-90905/dp/B003A2I5T8/ref=sr_1_10?crid=18VKLGFL01PDI&dib=eyJ2ljojMSJ9.ScG5OgAUx4cEr7rWW0XOacgvE05TOC84h9XzAxwvC1hquLulYDfm7G5XoV2i3EYclFFQY6U5E_7GtLGiVkv8E2scw8nxZeqdYpoAKomMLMaKHwdMX4aZ8sPkBLcGE1qH6Va3df3zNRYoo0jvx_ywdllvYhhiBKwB0IXmGamzw2nfsto3TV9g7Zr-Qh9S6zp4sX6-l4wUAKlgZjWNZ6s-ckg7hyFBzPybQwRyeWeZDCRm80faRjCQRwd3HcvjHgVp3G51zfx4OOE5lcGuHiLH_4VcDvHLMXbU2aYafxSZxY.IdXZJzWleCobgUvMBNeWzVRjLioYeQG3tntuYFjAG2Q&dib_tag=se&keywords=cardstock%2B175gsm&qid=1726350104&srefix=175gsm%2Ca ps%2C145&sr=8-10&th=1

“**Medium Card:** Glue printed sheet to: OO approx 1mm N approx 200gsm”

1mm card stock appears to be about 0.04" or 40pt (point) 87% of 40 is 34.8pt. There appears to be no pt (point) size between 30pt and 40pt on Amazon.

My backing board

https://www.amazon.com/dp/B0BG54HGRR?ref=nb_sb_ss_w_as-reorder_k0_1_13&=&crd=1UFLIPAIDPAB&sprefix=backing%2Bboard&th=1
is about 0.045 or 45pt even though the Amazon page describes it as 1/16" which is 0.0625".

"Heavy Card: Glue printed sheet to: OO approx 2mm N approx 1mm"
2mm * 87% = 1.74mm which is 0.06850394" or pretty close to 1/16" (0.0625")

Special Note: there is some 110lb card stock on Amazon that notes the gsm as 297gsm.

I found this online:

<https://www.goldimageprinting.com/paper-conversion-chart.html>
300 gsm 14pt 111lb. 0.014" = 0.3556mm

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After the research, I wondered if I should start again using 30pt (0.030") cardstock. I can only find 32pt chipboard in 4"x4" sheet size.

More Research

On Amazon, 30pt is noted as chipboard and only comes in brown. I did a search for 30pt backing board and only came up with chipboard and none in white.

Just found this by going back to Google

White chipboard 30pt at Amazon

<https://www.amazon.com/SHEUTSAN-Sheets-Chipboard-Projects-Backing/dp/B094YHJ98Q>

The written description notes 30pt, but the second rollover image from the top notes 0.04 Inch/1mm

30pt brown chipboard on Amazon

https://www.amazon.com/Chipboard-Sheets-inch-Scrapbooking-MagicWater/dp/B07BYFZWY1/ref=sr_1_6?crd=1YZ1DIT8MIPRH&dib=eyJ2ljoMSJ9.p7j7yAi5J1gclb_2vliPq7eUQbVZyyG5w6JJOeqwwQPz31OEi_-2wuUEOQ1SFWqizr7P57Yq-9Cs0jfkRtfioE15nZPESUHLCPbawfEdp7wLPf3i0Vt4GfX2cjwsCcTWyCe7vV8-1dclPpqXnPONrIK9rC7VQtBj5g4MwmRSG4kCX4eqSHuh3P7vdCWwbktzZMIP9gjB6958WLDKhGArsoPZ-Qwv9tJY0_se6cx9Y_hVK96n6MW-lnK-ys61Nx0PUaHukZXVTL5swwK5kTo-DQnX9pbfrLi_5lmJmgKAE.GfUNFWqONaiuNVN22sE0nQfH3QJztk14mDgrzHITUUM&dib_tag=se&keywords=30pt%2Bchipboard&qid=1726398108&sprefix=30pt%2Bchi%2Caps%2C108&sr=8-6&th=1

On Amazon, 40pt is noted as chipboard and only comes in brown.
https://www.amazon.com/Chipboard-Heavyweight-Cardboard-Scrapbook-Packaging/dp/B0C4M6CV47/ref=sr_1_5?crid=2YGD037KHV6P&dib=eyJ2ljojMSJ9.QuqJ713dUQwHoZ94CHf8wvUZXbq3GuGQQHs5wyxMtBCAaTCpw_yXSFdIIpgDZB4i3r68k9hjpMXw_ZX3KEpqGLXdfJJ72GcifG4SOGqO5TevdjQJYQF1kXS-N-YxOEeWSYRGlF_DnFdNRzMOaTeJfN-X0xUjTCc0yeNU9GtaDe4njJjGVMYNOI7Khpp5taMQPmQf7LMkESKVFTAYZLvlqtP4vQ8FwCgwBFENa8gwbpbvzKSU7lcT6JZ_Gh8D2RSUb0z9e8gyG6ObxUIRjVaXLqOHAnb0qPV1oqnEVbPaQYQ.1GiGut-afPBp8QSYJaubjEhYwYh6xRWMv4Hh3rhTxKU&dib_tag=se&keywords=40%2Bpoint%2Bchipboard%2Bsheets&qid=1727525565&sprefix=40%2Bpoint%2Bchipboard%2Bsheets%2Caps%2C123&sr=8-5&th=1