



High Standard, Inc.

MANUFACTURERS & DISTRIBUTORS
OF ARCHITECTURAL PANELS

R- & u- Values for Standard 1" Thick Panel Configurations

Panel Configuration	R-Value	u-Value#
Face metal*/hardboard/polyisocyanurate/hardboard/ back metal	6.62	.151
Face metal/cement board/polyisocyanurate/cement board/back metal	6.18	.162
Face metal/.060 plastic/polyisocyanurate/.060 plastic/back metal	7.51	.133
Face metal/corrugated plastic/polyisocyanurate/corrugated plastic/back metal	8.24	.121
Face metal/hardboard/polystyrene/hardboard/back metal	4.60	.217
Face metal/cement board/polystyrene/cement board/back metal	4.31	.232
Face metal/.060 plastic/polystyrene/.060 plastic/back metal	5.23	.191
Face metal/corrugated plastic/polystyrene/corrugated plastic/back metal	6.22	.161

u-value = 1/ R-value (example: 1/6.62=.151)

* Face and back metal can be either aluminum or steel without affecting the R- or u- value.

Add per 1/4" of panel thickness:

Polyisocyanurate: **1.775**

Polystyrene: **1.19**

Example: To calculate R & u value for a 2" panel with .060 plastic/polyisocyanurate:

$1.775 \times 4 = 7.1 + 7.51 = \text{R-Value of } \mathbf{14.61}$. u-value = $1/14.61 = \mathbf{.068}$

NOTE: To determine the R-value and print a specification for a specific panel configuration, go to our website www.hsipanel.com. Click on [configure your own panel specification](#), then click on [Build an insulated panel](#). Scroll down and follow the prompts from there.