



What is the Ingress Protection (IP) Rating and What Does it Mean?

The IP Code (Ingress Protection Rating, or International Protection Rating) consists of the letters "IP" followed by two digits, and optionally, a letter. Defined in international standard IEC 60529, the IP code classifies the degrees of protection provided against the intrusion of solid objects (like dust, sand, or accidental contact) and water in electrical enclosures. The digits indicate that a device will be able to withstand certain conditions. Specifically, the second digit refers to protection from water, as described in the checklist below:

IP 6 8

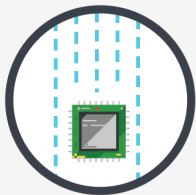
Ingress Protection

First Digit: Solids Protection ('X' if No Solids Protection)

Second Digit: Liquids Protection

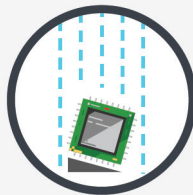
IP Checklist

What Level of Ingress Protection Do You Need?



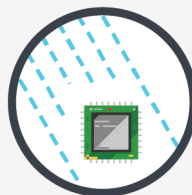
IPX1

Will your device be exposed to vertically falling water drops?



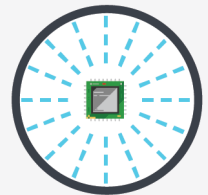
IPX2

Will your device be exposed to vertically dripping water drops tilted at an angle up to 15° from its normal position?



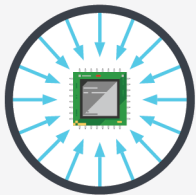
IPX3

Will your device be exposed to spraying water at any angle up to 60° from the vertical?



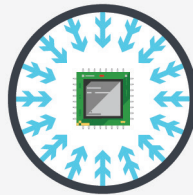
IPX4

Will your device be exposed to splashing water from any direction?



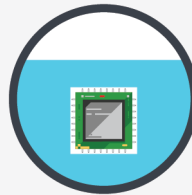
IPX5

Will your device be exposed to water projected by a nozzle? (6.3mm)



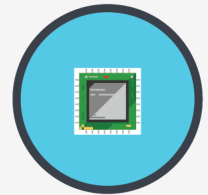
IPX6

Will your device be exposed to water projected in powerful jets (12.5mm nozzle)?



IPX7

Will your device be immersed in water up to 1m?



IPX8

Will your device be continuously immersed in water beyond 1m?

WHEN IT COMES TO COATINGS, WE'VE GOT YOU COVERED!

Let us know how we can help at HZO.COM/CONTACT-US/ OR 1-877-757-4HZO (4496)