



INGRESS PROTECTION (IP) REFERENCE CHART

first digit: protection against solids

1 protected against solids greater than 50mm
example: a hand




2 protected against solids greater than 12.5mm
example: a finger




3 protected against solids greater than 2.5mm
example: a screwdriver



4 protected against solids greater than 1mm
example: a wire



5 protected against dust with limited, non-harmful ingress permitted



6 completely protected against dust with no ingress permitted




second digit: protection against liquids


1 protected against vertically falling water drops with limited ingress permitted




2 protected against vertically falling water drops with enclosure tilted up to 15°, limited ingress permitted




3 protected against water sprays up to 60° from the vertical, limited ingress permitted




4 protected against water splash from all directions with limited ingress permitted




5 protected against water jets with limited ingress permitted




6 protected against powerful water jets with limited ingress permitted



7 completely watertight against immersion effects in water between 15cm and 1m for 30 minutes



8 completely watertight against immersion effects in water under pressure for long time periods



metpro IP rated products:

product	IP rating
adaptable boxes*	IP54
PVC coated steel flexible conduit	IP65
steel flexible conduit	IP40
PVC flexible conduit	IP40
flexible metal conduit adaptor: fixed IP68	IP68
flexible metal conduit adaptor: swivel	IP54
PVC flexible conduit: contractor packs	IP40
PVC dome top glands	IP68
PVC stuffing glands	IP54

*when used in conjunction with rubber gaskets



Do you have any questions about IP?

If you have any queries relating to IP, please contact our sales team who will be happy to help using the following information:

- o email sales@metpro.co.uk
- o call 0121 552 2100