

TRAINING COURSE



Product ID: RGT4:RF

Description: RF Awareness

Prerequisite – Must meet the minimum age of 18 years and must be fluent in English.

Course:

This half day course provides delegates awareness of radiofrequency hazards typically found when working on rooftops.

Course Objectives:

Operatives will be able to identify RF hazards when working on rooftops and give them an understanding of the dangers they impose.

Who will benefit?

Anyone involved in working on flat or inclined roofs.

Course Content:

- Legislation
- Electromagnetic fields
- E fields
- H fields
- Alternating fields
- Frequency and wavelength, speed of light relationship
- Electromagnetic spectrum
- RF and Microwave bands
- Ionising Vs Non-ionising radiation
- Biological effects
- Typical power outputs and sources
- Human body – direct and indirect effects
- Dielectric composition
- Tissue geometry and size
- Penetration depth vs. frequency
- Non-thermal effects
- RF policy
- Source characteristics including antenna types
- Low Frequency and Medium Frequency antennas and precautions
- Near field and far field
- Measurement equipment
- Survey meters
- Personal monitors
- Warning signs

Training Methods:

Lectures, printed course material, hands on equipment, practical exercises and pre-use inspection exercise. All training is designed and delivered to meet BS 8454:2006 code of practice for the delivery of training and education for work at height and rescue.

Certification:

Successful delegates will receive a 3 year RidgeGear certificate.

PPE Requirements:

N/A

Course duration / number of delegates:

This course is designed for up to 15 delegates at any one time and is held over half a day, typically 09:00 – 13.00