

# CLIENT HELP SHEET

What is Main protective bonding and why is it important?

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## What Is Main Protective Bonding—and Why Does Your Home Need It?

### What Is It?

Main protective bonding is a safety measure in your home that connects metal water and gas pipes to your home's electrical earthing system. It uses 10mm green and yellow cables, which you may see near your water stop tap or gas meter.

This doesn't mean your water or gas pipes carry electricity—it's there just in case something goes wrong.

### Why Is It Important?

If there's a fault with your electrical system, like a live wire touching a metal pipe—those pipes can become dangerous. You wouldn't even know until someone gets a serious electric shock by touching a tap or pipe.

Main protective bonding makes sure all metal parts in your home stay at the same electrical level, so there's no risk of getting a shock from touching two different metal parts (like a gas pipe and a tap).

### Where Is It Needed?

If your gas and water pipes are made of metal when they enter your home, they must be bonded (connected with a green and yellow wire) close to where they come in.

If your pipes are plastic, bonding might not be needed—but an electrician needs to check.

### Why We Can't Do Electrical Work Without It

As professional electricians, we're not allowed to make changes to your home's electrics unless your main bonding is in place and correct. This is required by law and the UK Wiring Regulations (BS 7671).





**If bonding is missing or done incorrectly, it's classed as a serious fault and we must fix it before we can do any other work.**

**You might notice:**

- ✓ A green and yellow cable clipped to your water pipe, usually near the stop tap.
- ✓ A similar cable near your gas meter.
- ✓ A label showing it's a safety bonding connection.

If you don't see these, your bonding might be missing or hidden behind cupboards or walls.

## **Summary – What You Need to Know**

**Do all homes need bonding?** Yes, if the incoming water/gas pipes are metal.

**Is it dangerous not to have it?** Yes, it increases the risk of electric shock.

**Can I still have electrical work done if bonding is missing?** No. It must be installed first.

**Is it expensive?** Usually not. We can quote if bonding is missing.

**Who checks bonding?** A qualified electrician—you should never DIY this.

## **We're Here to Help**

If you're unsure whether your home has proper bonding in place, just ask. We're happy to check and explain everything in simple terms.

Your safety is our top priority—and main protective bonding is one of the most important parts of keeping your home safe.

## **Your Local Electrician – Precision Electrical Services Ltd**

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