

28-30 April

2026

AstanaBuild

KAZAKHSTAN INTERNATIONAL BUILDING & INTERIOR EXHIBITION

astanabuild.kz

Astana, Kazakhstan

TSSP Masterclass Program at AstanaBuild 2026



28 april

Topic: Installing a Store Mock-Up Using Drywall

Demonstrated tools: Cordless profile puncher (for joining metal profiles without screws), cordless fastening tool, cordless drywall screwdriver.

Description: A revolution in frame construction. We will demonstrate how to assemble a metal drywall frame without using a single screw (using a profile puncher), how to fasten guide profiles to concrete with a fastening tool, and how to properly sink the screw head into drywall without damaging the sheet.

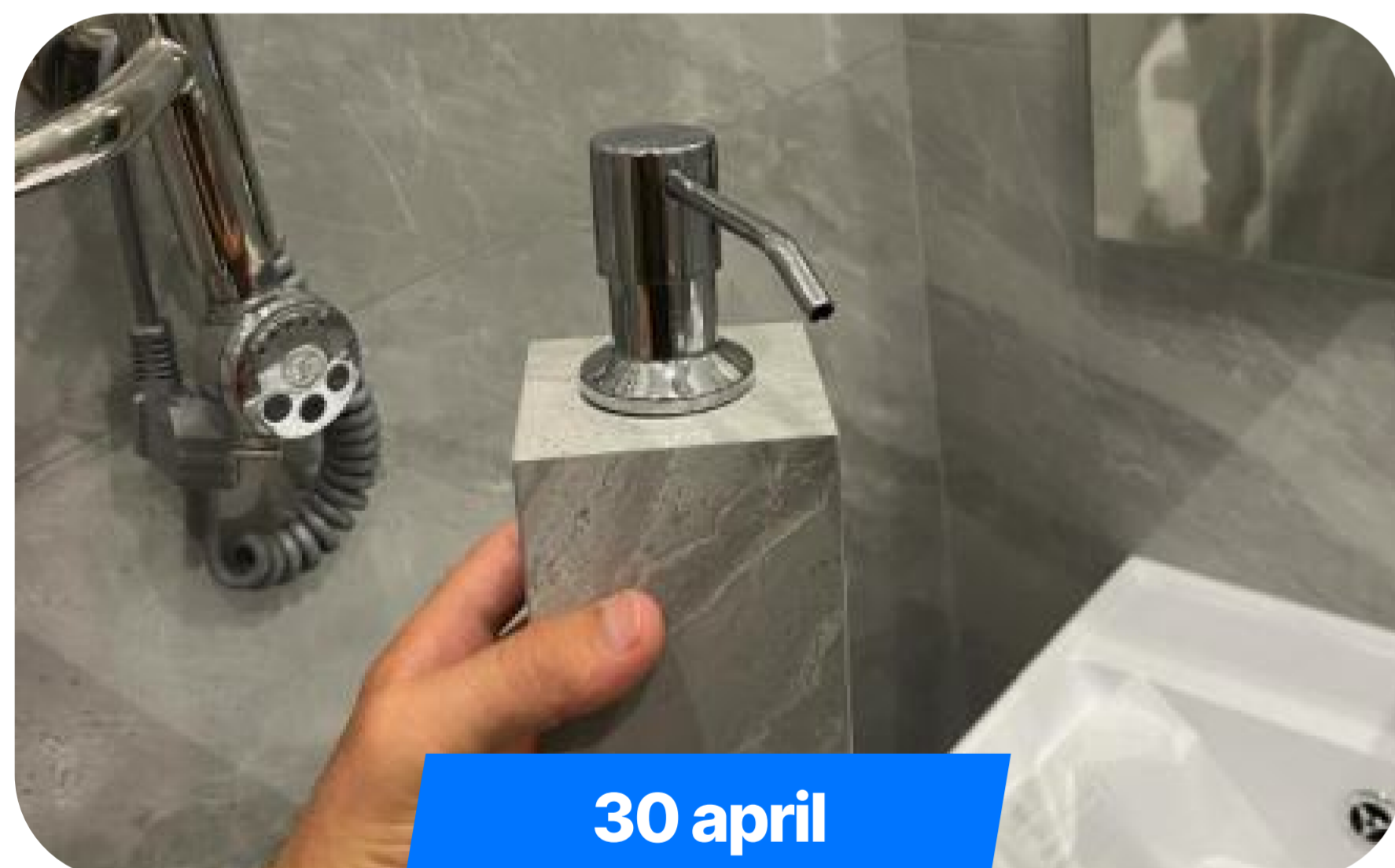


29 april

Topic: Drilling — Diamond and Impact

Demonstrated tools: Rotary hammer, impact drill, non-impact drill, carbide drill bits and hole saws, diamond drilling equipment.

Description: A clear comparison of drilling methods: which tools are suitable for concrete and which work better for soft wood or thin tiles. We will demonstrate a rotary hammer operating in demolition mode for wall chasing and the use of hole saws for electrical socket boxes. We will also explain why diamond drilling cuts the material instead of breaking it with impact.



30 april

Topic: Timed Electrical Distribution Board Assembly

Demonstrated tools: Screwdrivers with insulated handles, voltage tester screwdriver, clamp meter, wire stripper, crimping pliers.

Description: A master class on professional installation of an electrical distribution board. The focus is on safety and speed: how to properly strip wires (neutral, phase, ground), crimp terminals, and neatly arrange wiring inside the panel for easy maintenance.

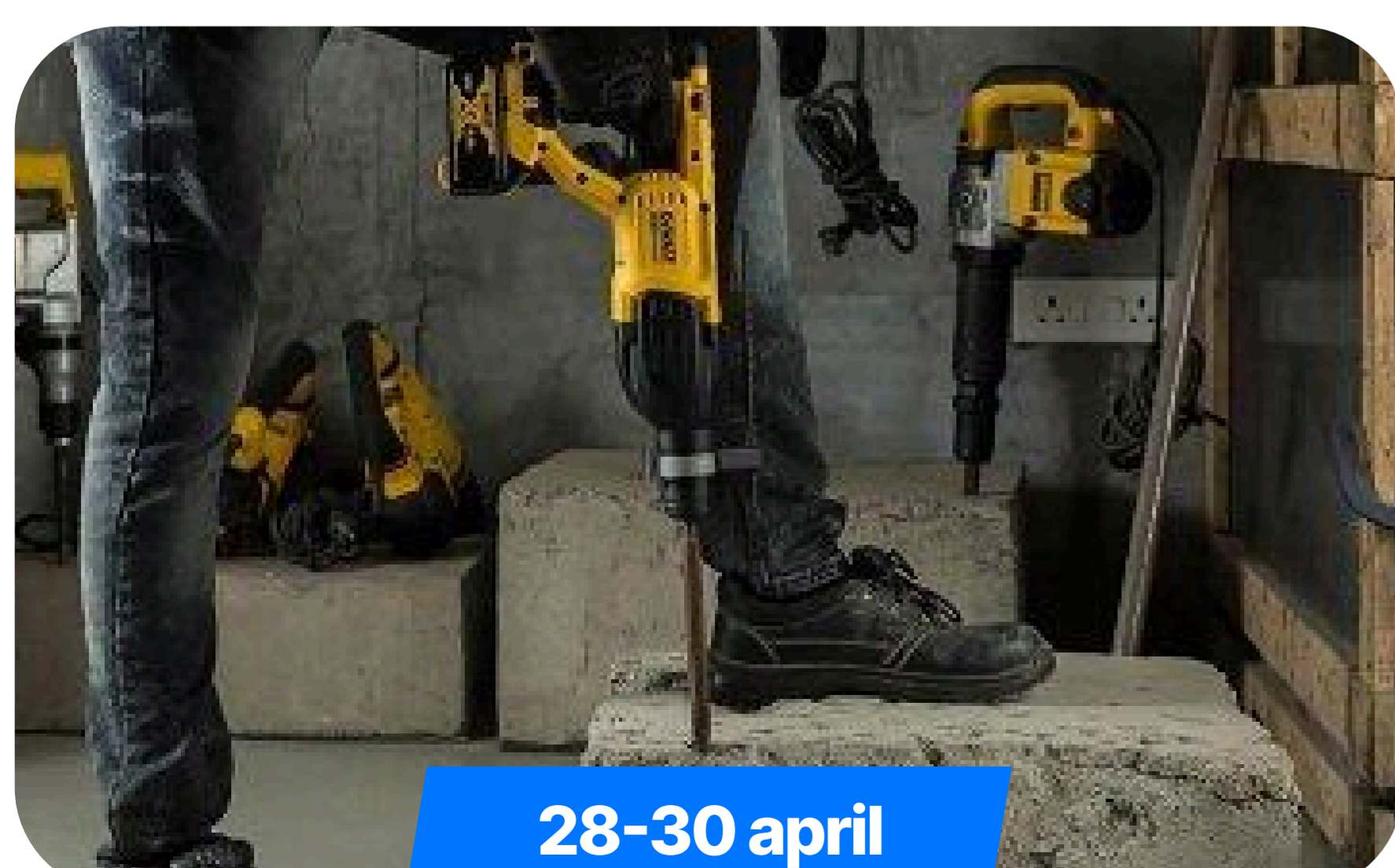


28-30 april

Topic: Assembling a Soap Holder from Ceramic Tiles

Demonstrated tools: Electric tile cutter with water feed, diamond blades for dry and wet cutting, dust extraction system.

Description: Demonstration of straight and shaped cutting techniques for floor and wall tiles. Visitors will see how to achieve chip-free cuts on glazed surfaces, how to choose the correct feed speed, and why water cooling is required to cool the blade and extend its service life.



28-30 april

Topic: Cutting from Timber to Steel Angle

Demonstrated tools: Reciprocating saw (blades for metal and wood), miter saws, circular saws, and cutting machines.

Description: Comparative analysis of cutting different materials. We will show how a single tool (a reciprocating saw) can cut through wooden boards and steel reinforcement simply by changing the blade. The focus is on cutting speed, cut quality, and safety when working with different types of materials.



Topic: Metal Cutting and Grinding

Demonstrated tools: Angle grinder (cutting and grinding discs), metal band saw.

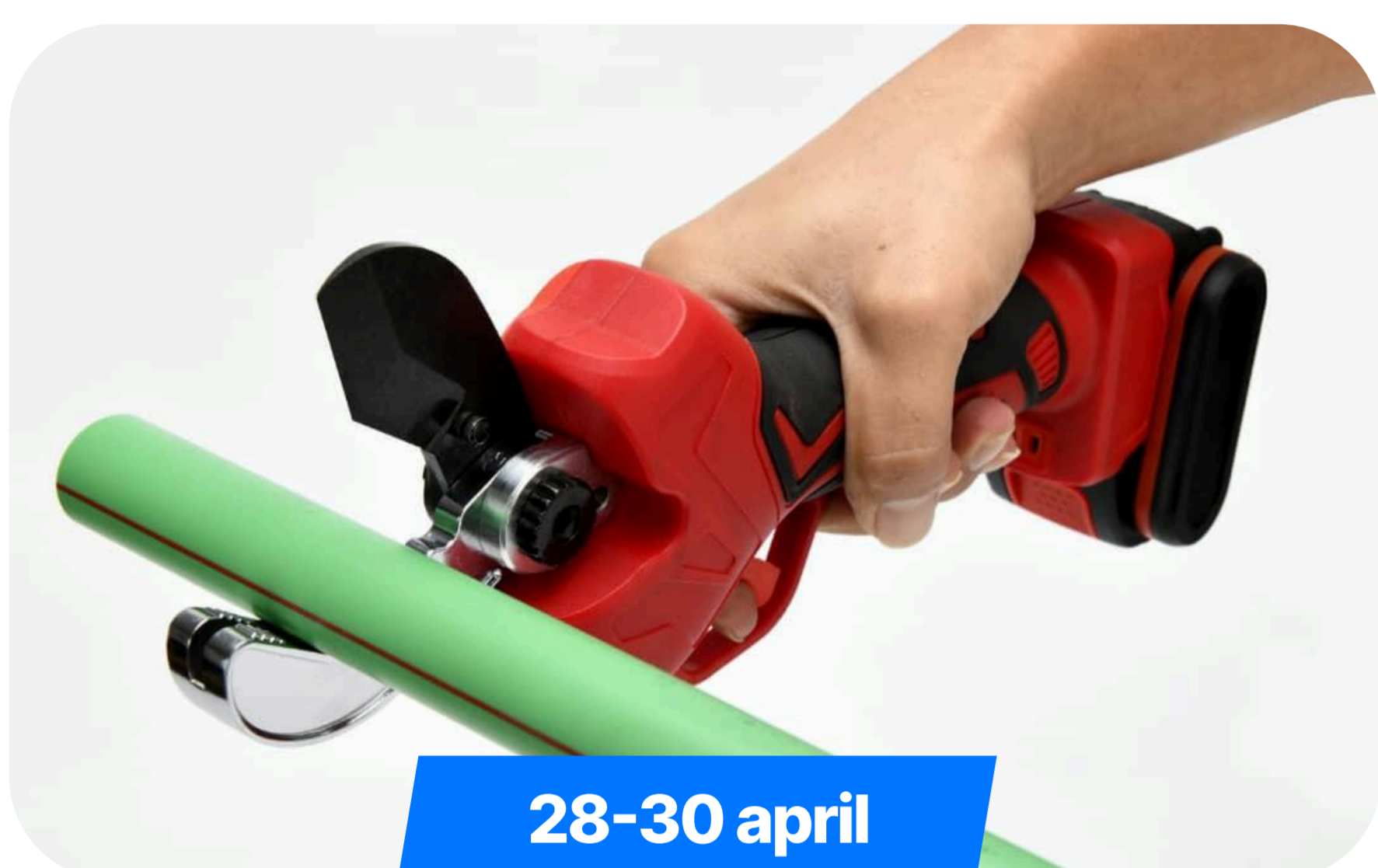
Description: Demonstration of professional cutting of thick metal (steel angle, rebar, pipe) using cutting discs. The difference between thin cutting discs and grinding discs will be shown. Visitors will see the process of cleaning weld seams and removing rust. Approval is required regarding sparks and fire safety.



Topic: Impact Wrench: Power vs. Effort

Demonstrated tools: Cordless impact wrenches.

Description: Interactive activity for visitors: participants will first try tightening nuts manually and then perform the same task using an impact wrench. Demonstration of the "impact" mode and its advantages when loosening seized threaded connections. Work with metal-to-metal fasteners will be shown.



Topic: Clean Cutting of Plastic Pipes

Demonstrated tools: Cordless pipe cutter for plastic pipes.

Description: Demonstration of achieving precise cuts during plumbing installation. We will show how a pipe cutter can create a perfectly perpendicular cut on HDPE or PP pipes and prepare the pipe for welding without burrs or chips.



Topic: Cable Stripping

Demonstrated tools: Professional wire stripper (German tool for removing insulation), automatic and semi-automatic pliers.

Description: Demonstration of the efficiency of professional tools. We will show how to remove the outer insulation from round and flat cables without damaging the inner conductors and how to quickly strip wire ends for socket installation. Comparison of working speed using a knife versus a professional wire stripper.



Topic: Air Golf

Demonstrated tools: Professional cordless blower, lightweight plastic balls, improvised holes.

Description: An entertaining competition for visitors. The blower acts as a golf club, using a powerful air stream to push a lightweight ball into the hole. The goal is to use the fewest "strokes" (activations) to reach the target. The game demonstrates the power and controllability of the airflow in an engaging and interactive way.



Topic: Tool Cornhole

Demonstrated tools: Small plastic bags with filler (as used in cornhole), improvised boards with holes; lightweight objects can be used instead of bags.

Description: An adaptation of the popular American cornhole game. Visitors compete in accuracy by tossing bags into holes on an inclined board. Participants who successfully hit the target receive small prizes. This activity is an effective way to attract attention to the stand and create excitement around it.