

Repair and protection of masonry (and other stone materials) using ARENA WallProtect CM and ARENA RepairMaster R300.

ARENA WallProtect CM is used to protect exterior and interior surfaces, such as brick and masonry, plaster, tiles, processed and not treated building facades. **ARENA WallProtect CM** is a tinted mastic, so the finished coating will have the desired color and will not need subsequent staining.

Brick is one of the oldest and most durable building materials. It has received the widest distribution due to its excellent performance, primarily the ability to withstand heavy loads and steadfastly resist external influences. But no matter how strong a brick is, time does its job, regular changes in temperature and humidity, aggressive exposure to chemicals in the air can damage even the strongest brick construction. To prevent further damage, restore strength and decorative style, masonry is laid.

The masonry production process is laborious, expensive and time consuming, therefore our plant has developed the technology of structural and decorative restoration of brickwork and its protection from the effects of harmful factors. This technology allows you to restore the performance characteristics of the material and aesthetics. After performing work using **ARENA WallProtect CM** and **ARENA RepairMaster R300**, you get a repaired area with preservation of the texture and color of the brickwork of the surrounding surface, protected from moisture and other destructive factors.

For the production of works will require: **ARENA WallProtect CM**, **ARENA RepairMaster R300**, wide paint brush, paint brush, a set of spatulas of different widths, water.

Fig. 1 View of a damaged section of a brick wall.





Benefits:

- does not require pre-priming the surface before application;
- does not require impregnation with water-repellent additives, due to the formation of a waterproofing coating;
- the coating formed from the applied material has high strength and adhesion to the base, and hence a high mark on axial tension, as well as high frost resistance and crack resistance;
- finished coating finish and does not require subsequent painting.

Repair technology:

- remove structurally weak elements of brick and masonry mortar on the initial surface;
- Dust the surface, moisten it abundantly (it must be taken into account that the brick actively absorbs water);
- to make a local repair of the brick construction with a thixotropic repair compound **ARENA RepairMaster R300**;

- scratches on the leveling surface can be corrected with a spatula moistened with water;
- at the first signs of setting, if necessary, wipe the surface for aesthetic alignment;

Figure 2. View of the brick wall element after structural repairs.



The technology of applying tinted elastic coating waterproofing ARENA WallProtect CM

- after the repair of defects in the brickwork, further work with the surface should be done no earlier than 2 hours after application
- moisten the surface before applying tinted ARENA WallProtect CM



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ПРОИЗВОДИТЕЛЬ ГИДРОИЗОЛЯЦИОННЫХ СМЕСЕЙ ARENA FORCE®

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- apply **ARENA WallProtect CM** with a paint brush or a paint brush on the surface of the brickwork in 2-3 layers with a total thickness of at least 2 mm

- do not allow direct hits of water streams on the treated surface within 1-2 hours

Figure 3. View of the brick wall element after applying tinted ARENA WallProtect CM.





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- The seams between the bricks, to restore the decor, can be processed using a brush with an oblazochnoy waterproofing ARENA PolyElast PE, gray.



Fig. 4. The final appearance of the brick wall element after the completion of the repair with materials ARENA FORCE





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Таблица 1. Сравнительная таблица затрат на производство работ и материалы

Traditional repair	Repair and protection of brickwork using ARENA WallProtect CM and ARENA RepairMaster R300
Fragment brick making from \$40-\$60/m ²	Geometry restoration of brickwork elements using ARENA RepairMaster R300 from \$5/m ²
Brick masonry walls from \$50/m ³	Brickwork protection using ARENA WallProtect CM from \$10/m ² in two layers
Lack of waterproofing and protection	The presence of durable, crack-resistant and waterproofing coating that does not require subsequent painting
Masonry mortar costs and the brick itself	The cost of production of works from \$5/m ²