COOLFLEX

WHITE ROOF COATING

Application guide:
Existing BUR systems

DuROCK

Alfacing International Limited

Before we begin.

For over 30 years our Canadian family owned business has been a leading manufacturer of top quality construction materials. Our broad range of products and wall systems are subjected to extensive research and rigorous testing to ensure that they not only meet the Canadian Building Code requirements, but exceed them. Recognized as a leader in innovation, DuROCK has realized that green construction materials are now setting new standards in the building industry. With construction costs on the rise, energy efficient applications are going to play a key role in the future of building envelopes. As a manufacturer we not only play an important part in providing exceptional quality in products, but also a responsibility in quality control and the sustainability of our environment.

DuROCK
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What is.....

COOLFLEX
WHITE ROOF COATING

COOLFLEX, is a high-strength elastomeric coating that provides the ultimate in reflectivity, and weather resistance over new or existing roof surfaces. Although it is highly flexible, it exhibits a tough, enamel-like finish that resists abrasion, biological growth, dirt and all types of weather extremes.

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Why is COOLFLEX WHITE ROOF COATING beneficial to building owners and managers...

-Can be applied to many suitable existing roofing substrates including : BUR, Mod-bit, Concrete, and Asphalt.
-Reflects 89% of the suns harmful UV rays.
-Made to withstand Canada's extreme climate.
-Reduces the temperature inside the building it covers by 6-9 degrees.
-Reduces the roof surface temperature by 20-60 degrees.
-Increases the effective "R" value of insulation.
-Increases the efficiency of roof-mounted HVAC units.
-Saves on air conditioning costs.
-Results in lower energy costs overall to your building by reducing your 'peak electrical demand level.
-Slows premature aging of a roof due to high surface temperature and UV degradation.
-Water based products, no harmful chemicals (GREEN).
-Energy Star accredited.
-LEED credit 7.2 (Reduces the heat-island effect).
-Reduces the 'Heat-Island effect' which results in substantial savings.
-Complies with the 'ECO-ROOF' program grant from City of Toronto.

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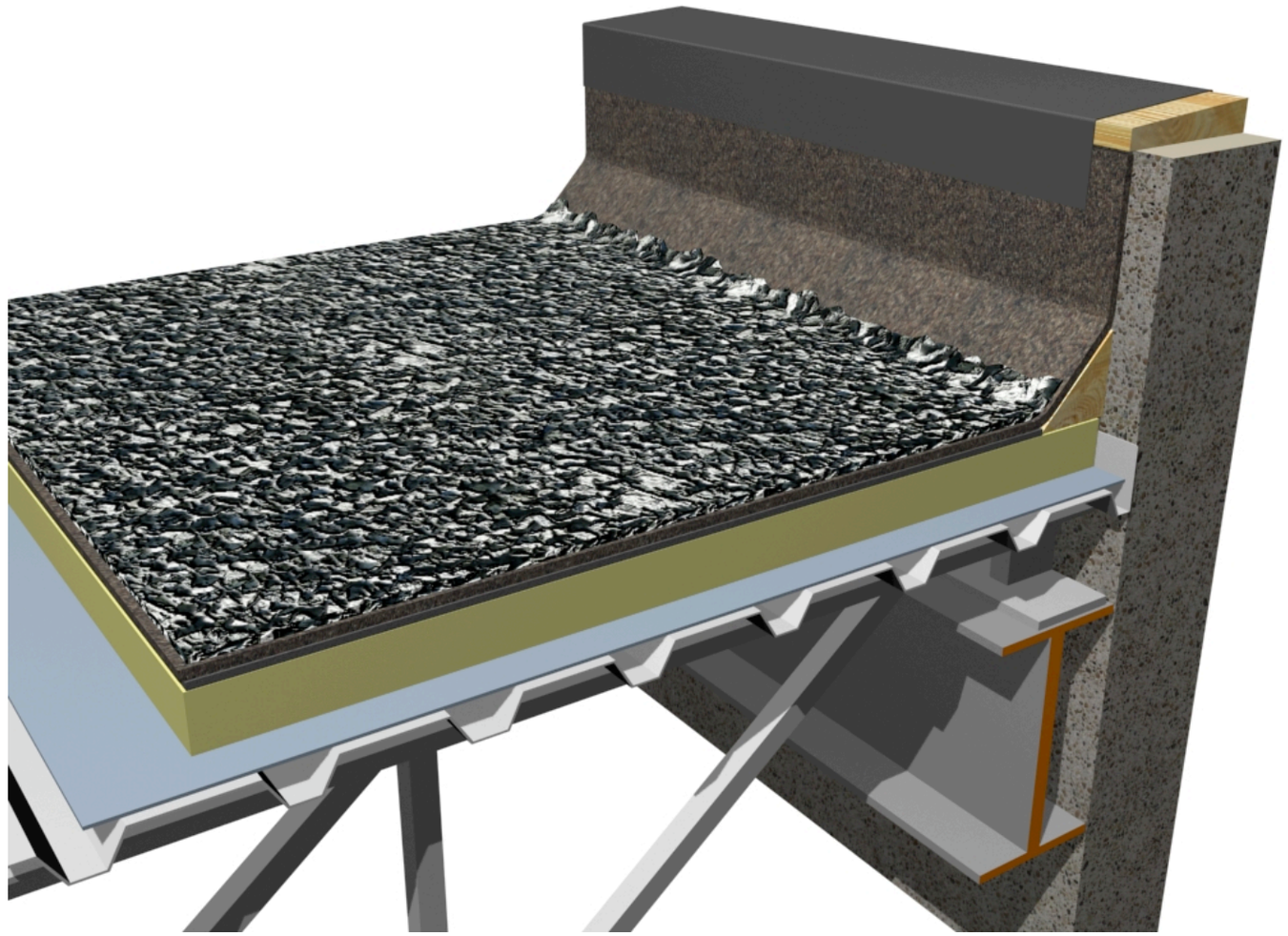
Application Process:

Step # 1 :

Ensure the new or existing BUR system is correctly installed as per manufacturers specifications. Any leaks must be addressed and fixed before the installation of the COOLFLEX system. *An infra-red scan or roof assessment is recommended*

Suitable, existing asphalt BUR system.

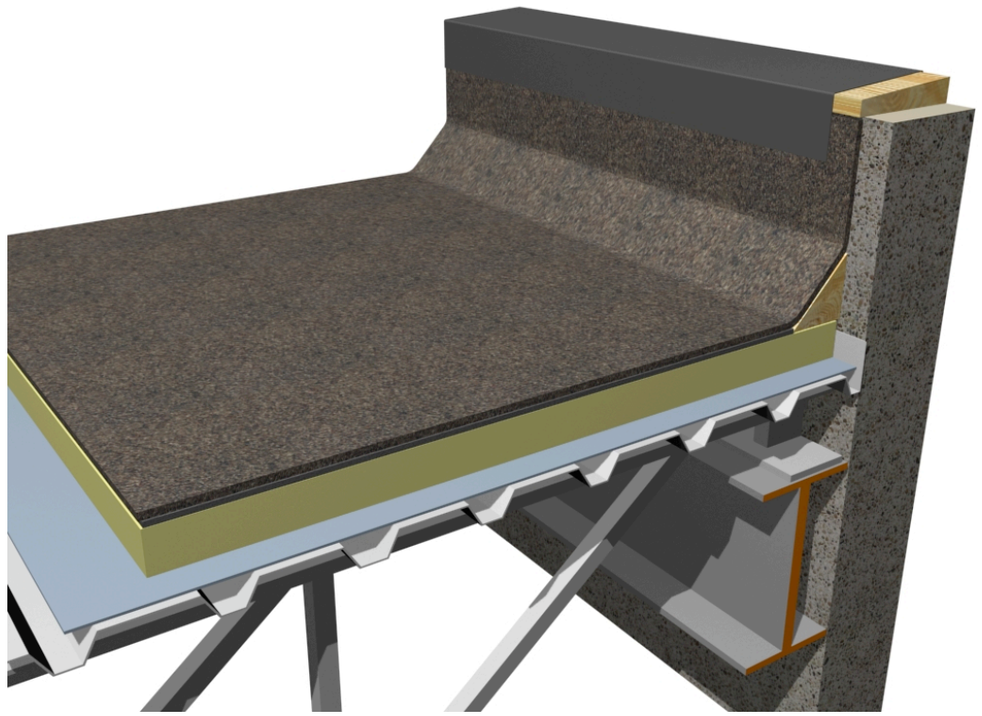


Application Process:

Step # 2 :

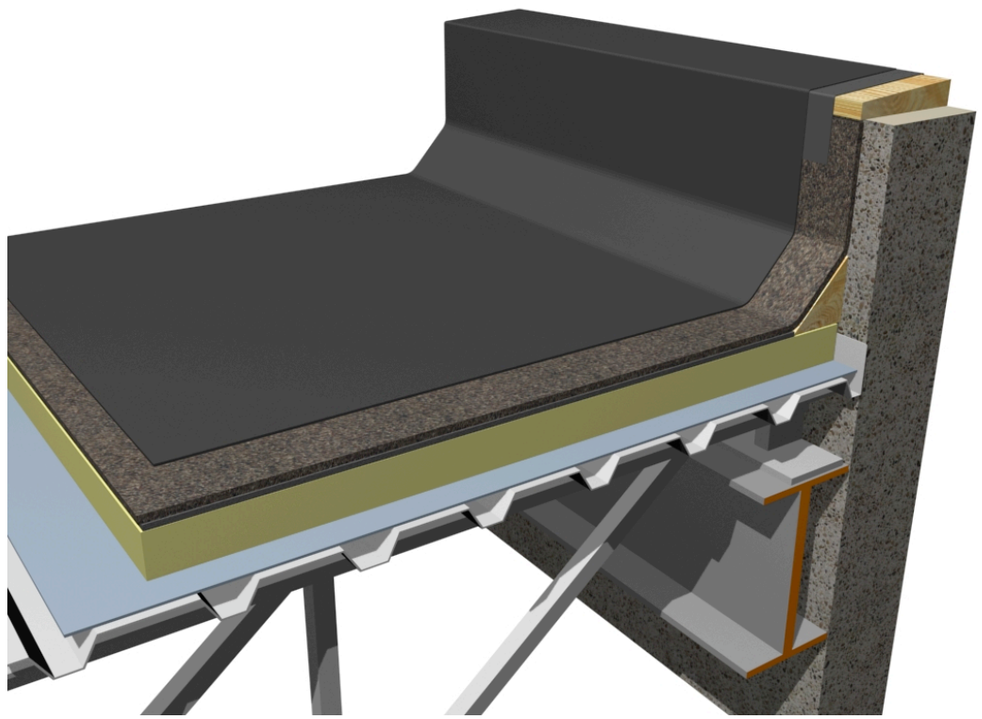
Vacuum off existing gravel, leaving a smooth surface (minimal amounts of gravel may remain).

(Suitable, existing BUR system after vacuuming/cleaning of gravel.)



Step # 3 :

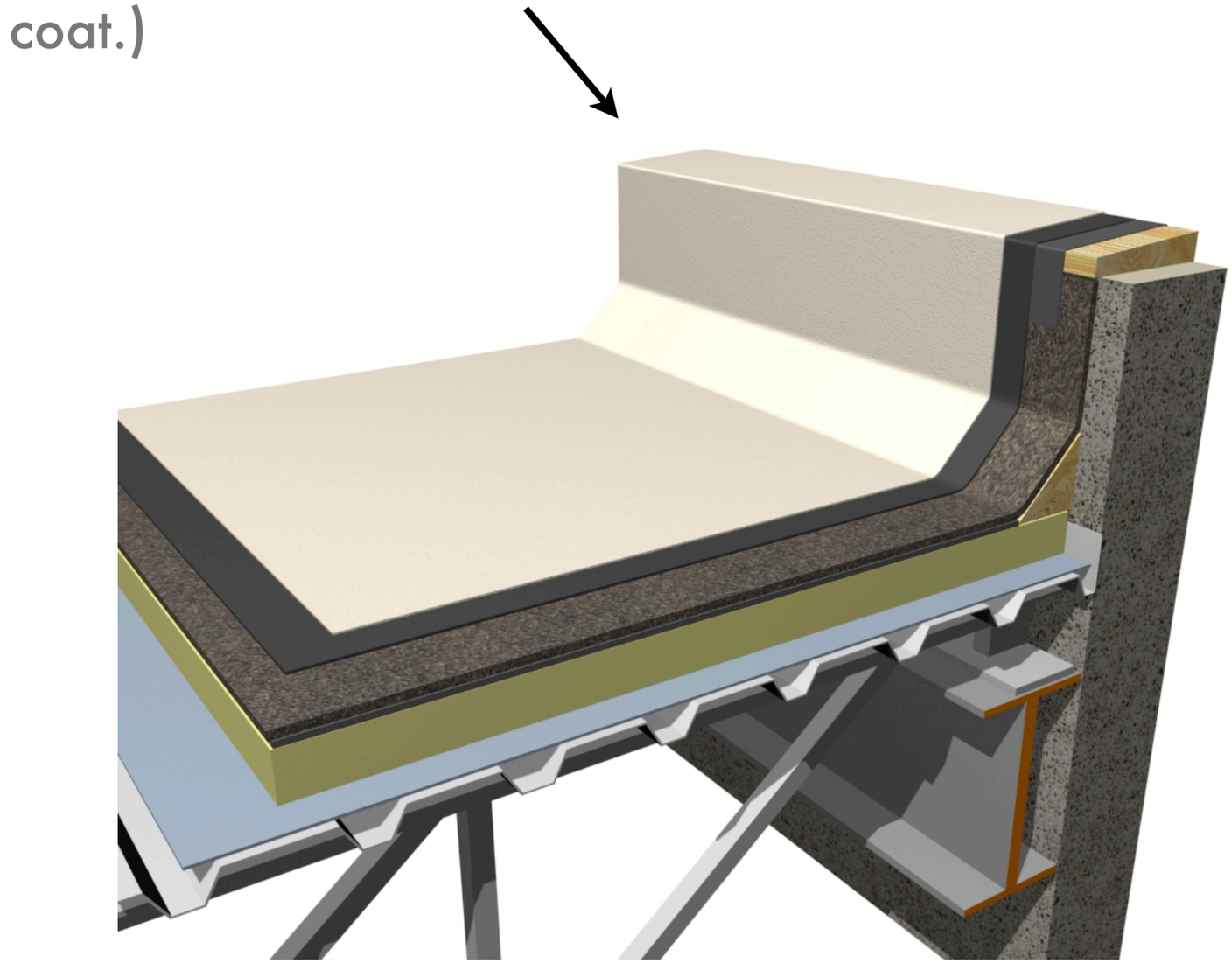
Apply a uniform asphalt flood coat across entire roof surface (asphalt is not provided by Durock. Please follow installation instructions as per manufacturer) * Let cure for 28 days before moving to step # 4.



Application Process:

Step # 4 :

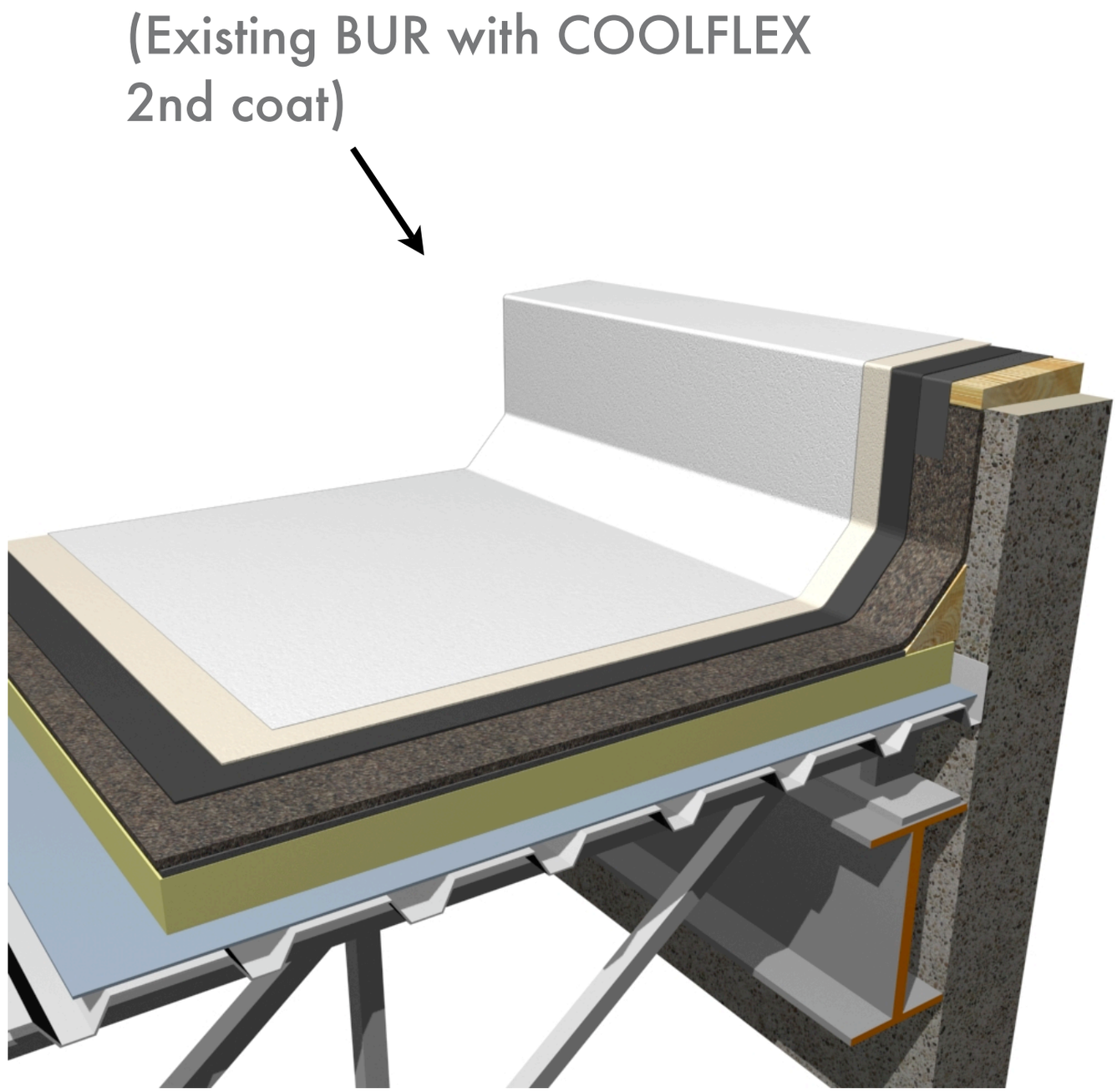
Ensure roof is dry, clean and free of any dirt or debris. Apply COOLFLEX across entire roof surface using a high-pile roller or sprayer (2500-3000psi) using a .025-.041 thou tip a consistent thickness of 20mils. Ensure that the entire substrate is covered. Let dry for 6-8 hours.



Application Process:

Step # 5 :

Ensure substrate is dry, clean and free of any dirt or debris. Apply 2nd layer COOLFLEX across entire roof surface using a high-pile roller or sprayer (2500-3000psi) .025-.041 thou tip a consistent thickness of 20mils. Ensure that the entire substrate is covered. Let dry for 6-8 hours.

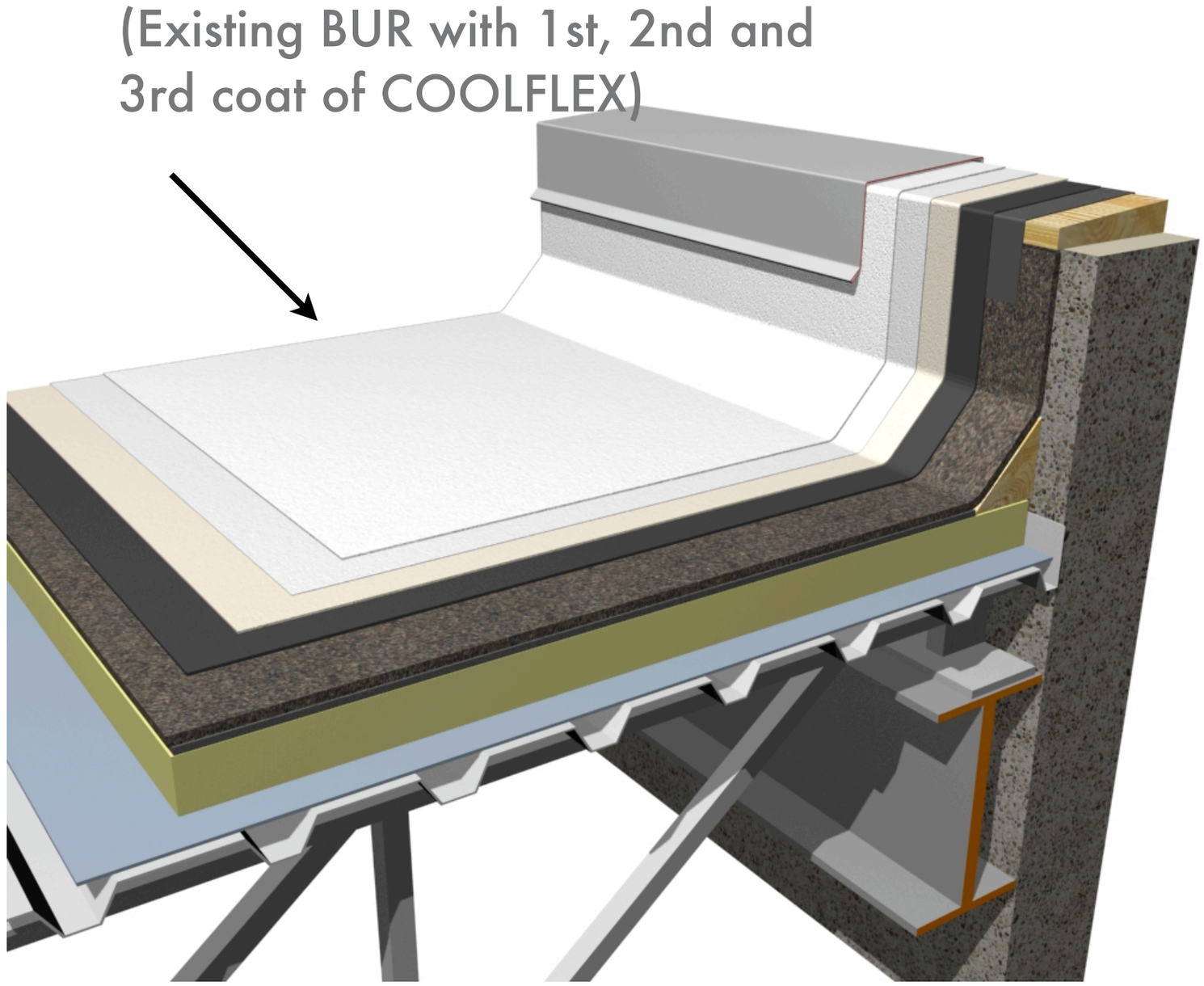


Ensure that all drains, openings, curbs and flashings are installed correctly as per manufacturers recommendations

Application Process:

Step # 6:

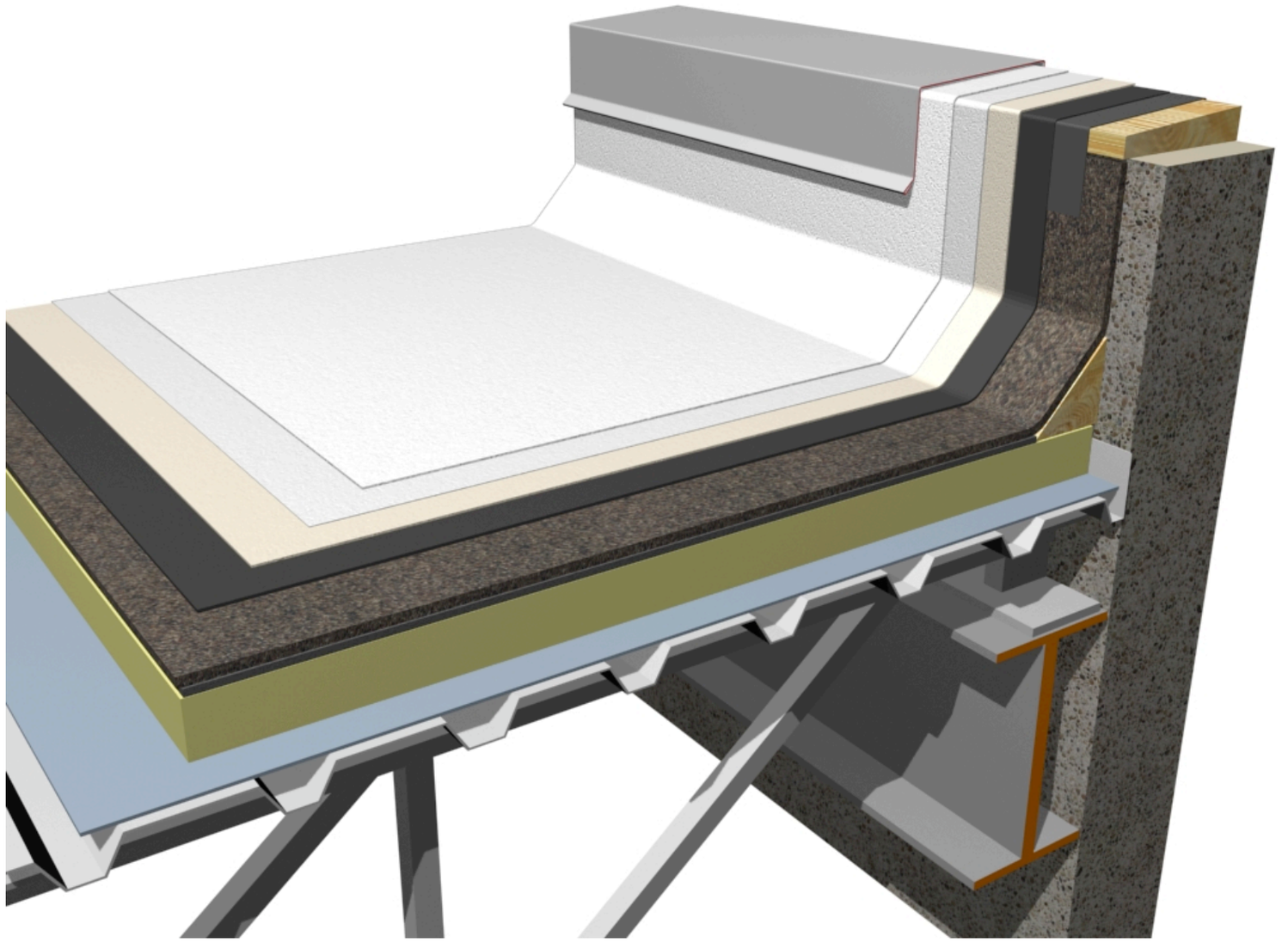
Ensure substrate is dry, clean and free of any dirt or debris. Apply 2rd layer COOLFLEX across entire roof surface using a high-pile roller or sprayer (2500-3000psi) .025-.041 thou tip a consistent thickness of 20mils. Ensure that the entire substrate is covered. Let dry for 6-8 hours.



Ensure that all drains, openings, curbs and flashings are installed correctly as per manufacturers recommendations

Step # 7:

Application is now complete. The attached details are only examples, your finished product should not have asphalt, or 1st coat of COOLFLEX exposed.



Ensure that all drains, openings, curbs and flashings are installed correctly as per manufacturers recommendations