



POLIRAN
German Technology
Building Drainage Systems

Technical Guide
Poliran Building
Drainage Systems

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Transport, Handling & Storage Guide

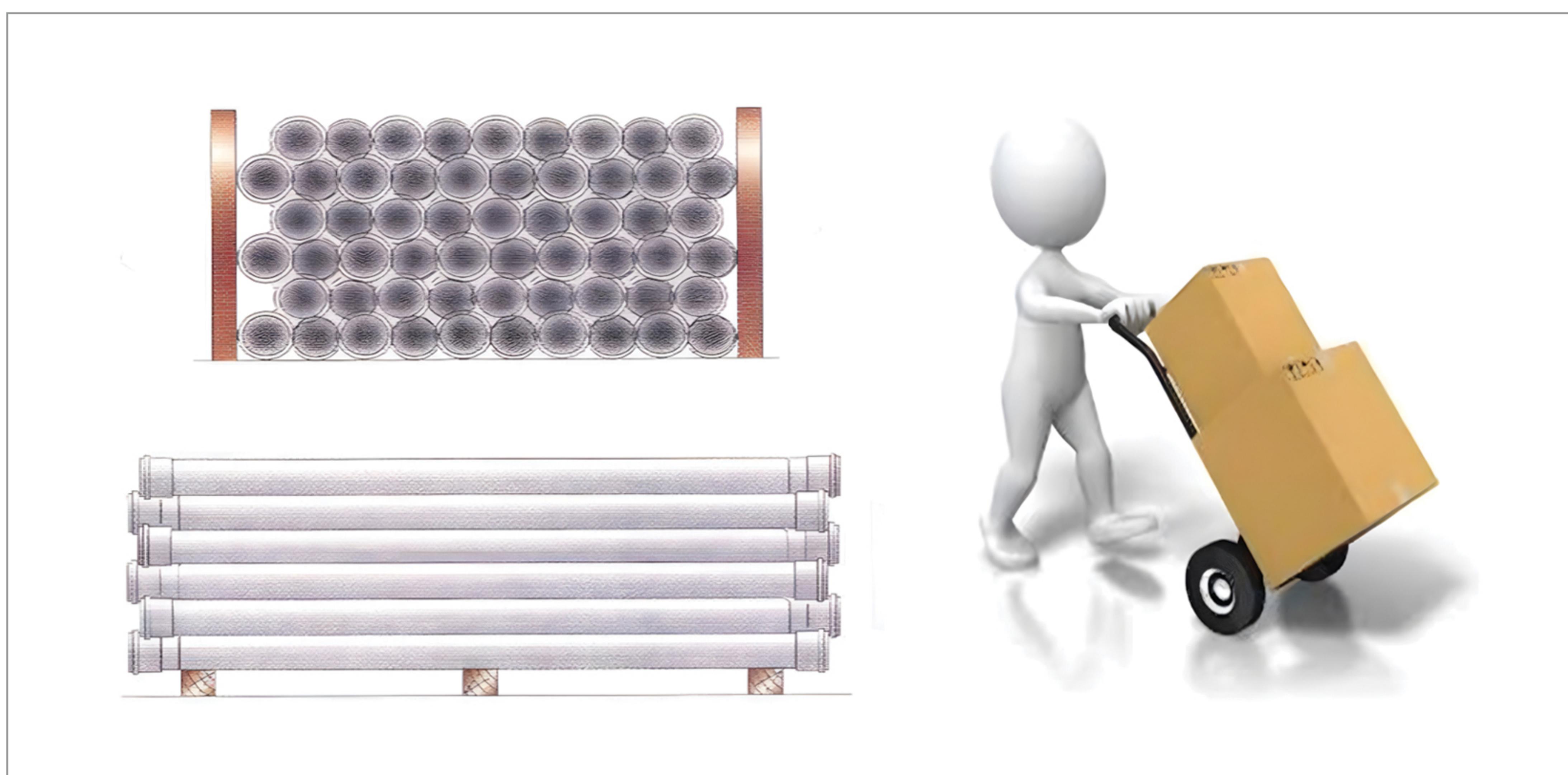
In accordance with Standard
EN 1451-6 Prepared by Poliran
Technical and Engineering Services Unit

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Transport, Loading, and Unloading

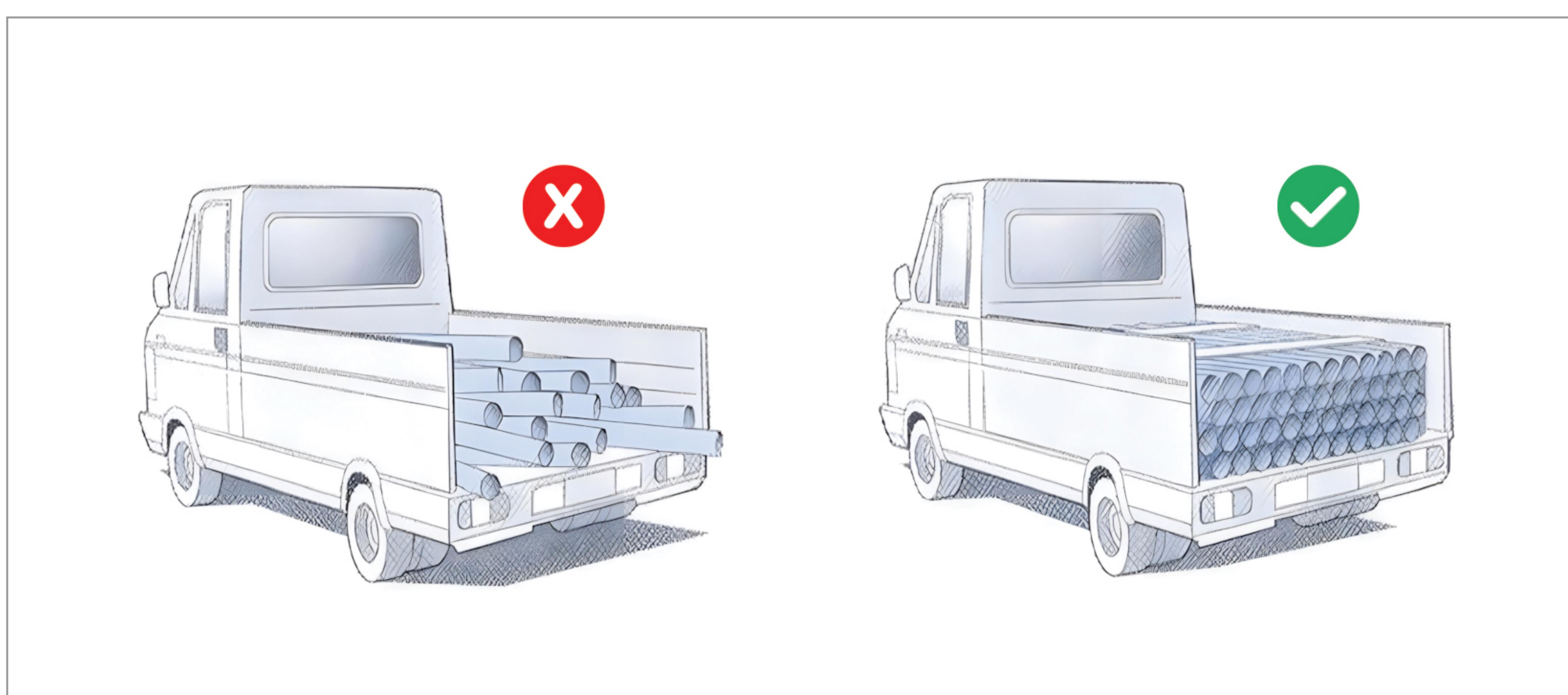
All stages of transport, relocation, and storage of push-fit pipes and fittings—similar to construction and installation processes—must follow recognized standards and procedures. This is essential to prevent any potential future deformation, to ensure fast and easy installation, and to maintain product integrity.

All related recommendations must be considered at the time of installation.



Transport, Loading, and Unloading Guidelines

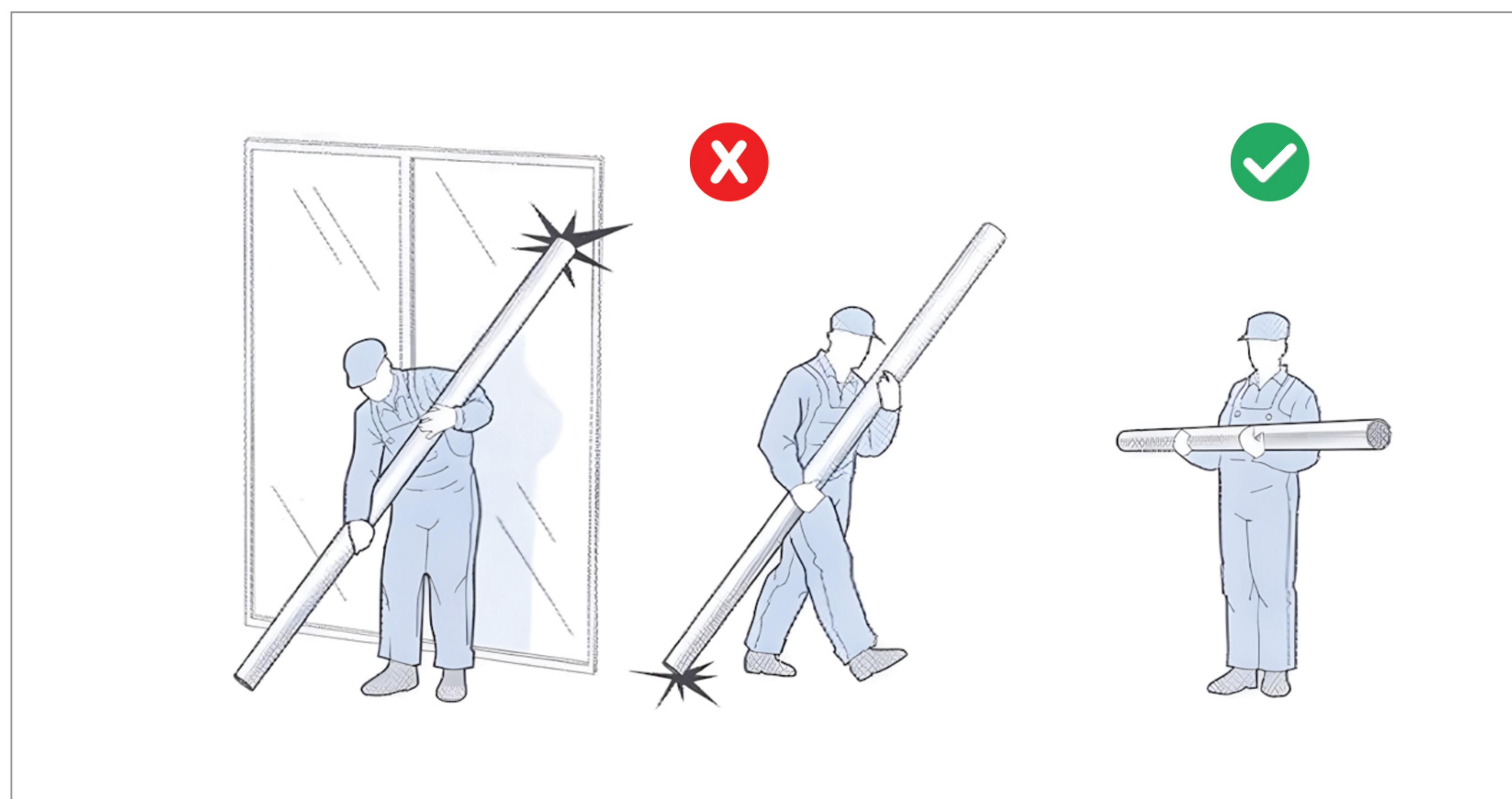
- Loading must be performed in such a way that the socket ends are not subjected to excessive pressure or compression due to load weight or stacking.
- Additionally, pipes must be arranged horizontally and in an orderly manner, stacked layer by layer up to a maximum height of 1.5 meters.



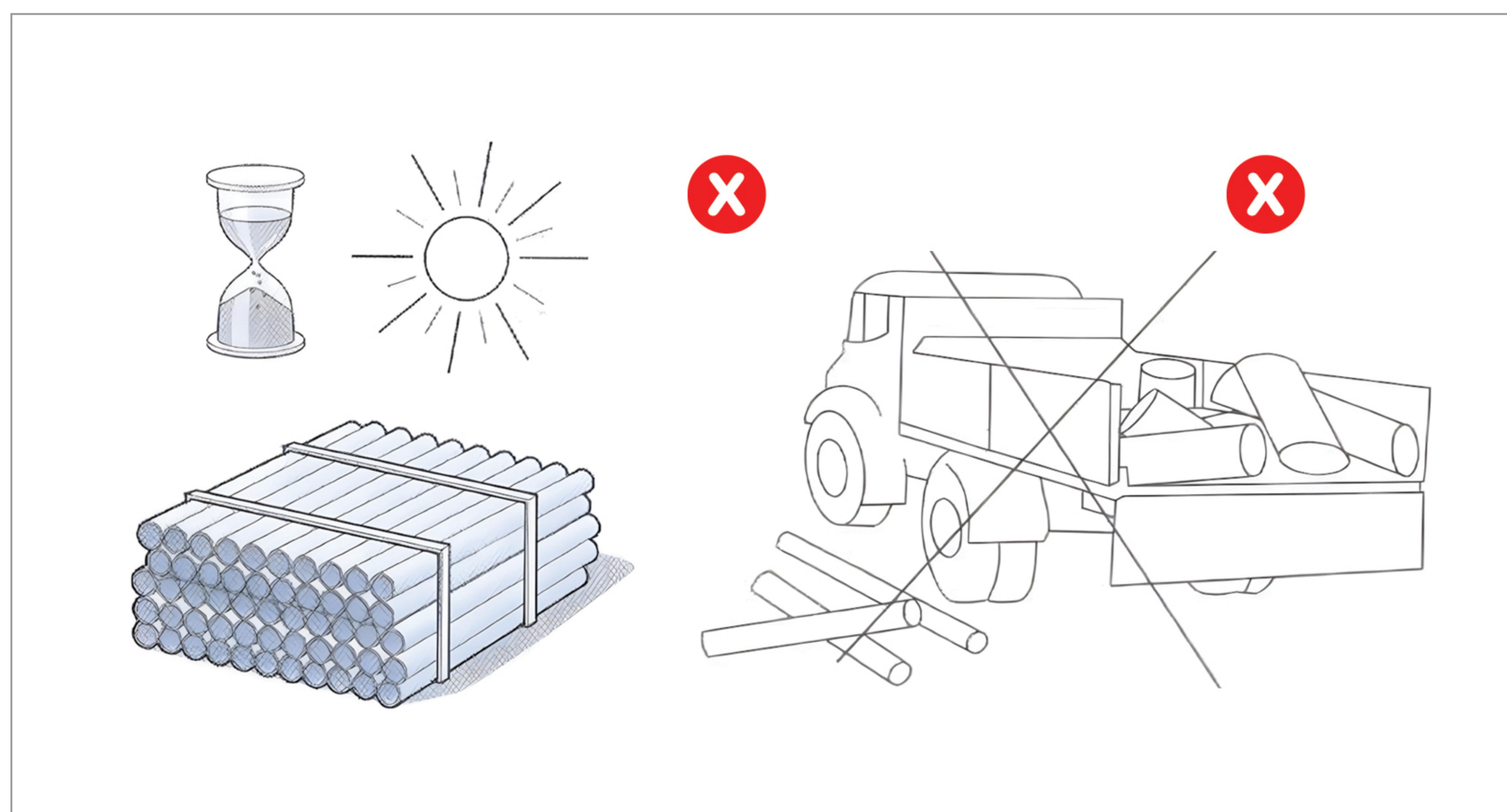
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Handling Precautions

- Avoid dragging or pulling pipes while one end is in contact with the ground.



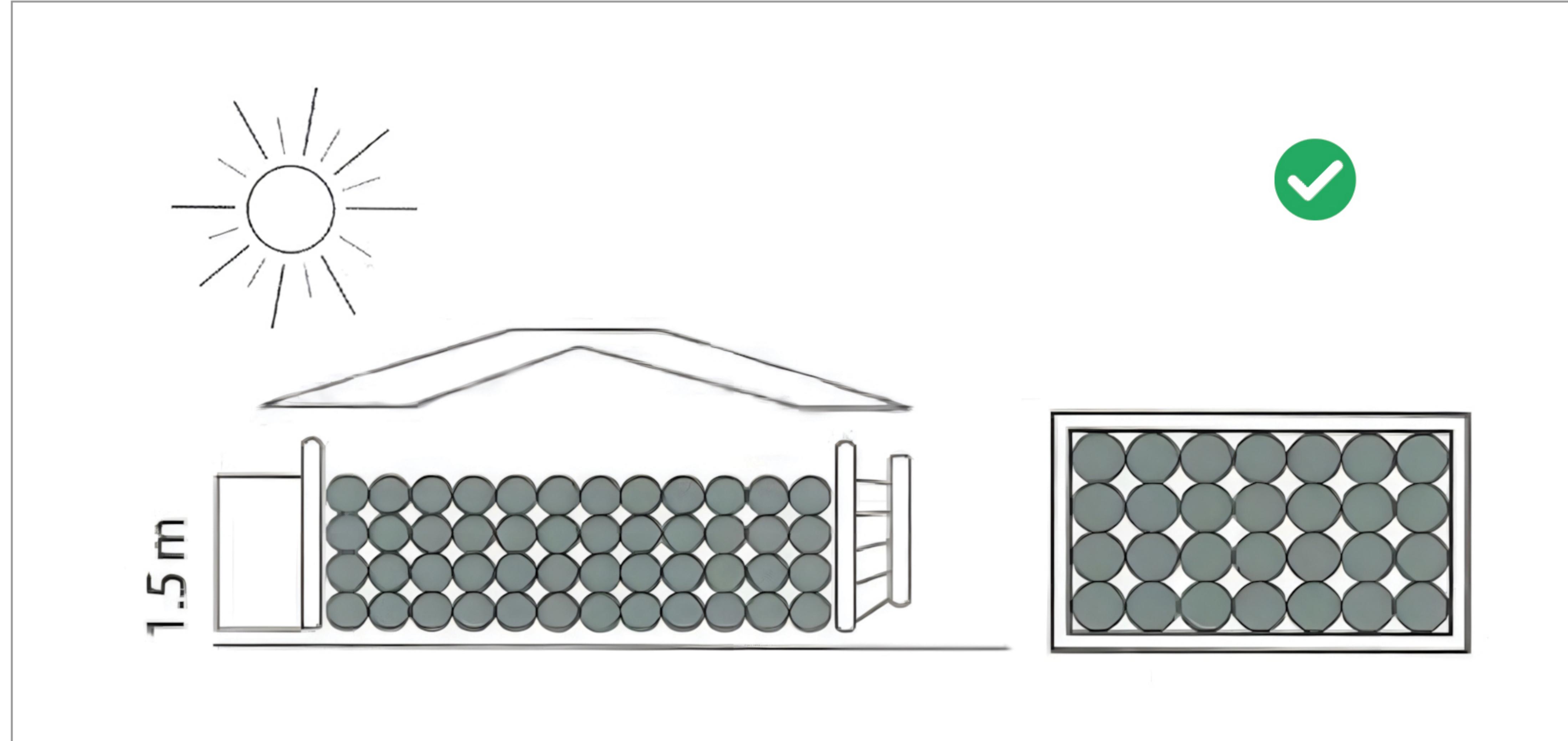
- Avoid throwing or dropping pipes and fittings during loading or unloading operations.
- The best storage method is to stack pipes in designated storage locations. Exposure to direct sunlight is not permitted, as it may cause damage to pipes and fittings—unless the pipes are packaged with Anti-UV wrapping.



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Pipe Storage Arrangement and Installation Site Requirements

- Pipes must be stacked horizontally and neatly, in order to prevent any potential deformation. The maximum allowable stacking height for push-fit pipe storage is 1.5 meters.
(Vertical stacking is also acceptable if pipes are arranged securely and upright.)



- The warehouse floor must be smooth, clean, and free of sharp or pointed objects. This is essential to prevent any form of damage to the pipes and fittings.
- During system installation at the jobsite, special precautions must be taken to prevent the entry of dust, debris, construction material, or fine particles into the pipes, fittings, or sealing rings. Proper sealing must be ensured to avoid any issues in the hydraulic performance of the system.



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Proper Packaging and Storage of Push-Fit Products

- Poliran push-fit pipes, when packaged using engineered wrapping with UV-resistant polyethylene (PE) materials, are temporarily protected against direct sunlight. In addition to optimizing warehouse space and ensuring tidy arrangement, this packaging facilitates easy product handling and protects pipes from dust, debris, and mechanical impact.
- Poliran push-fit fittings are packaged in high-quality, impact-resistant cardboard boxes to prevent any damage during on-site storage.

Examples of Proper Product Storage at Construction Sites

(Images below show well-organized and protected pipe and fitting storage in real-world project settings.)



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