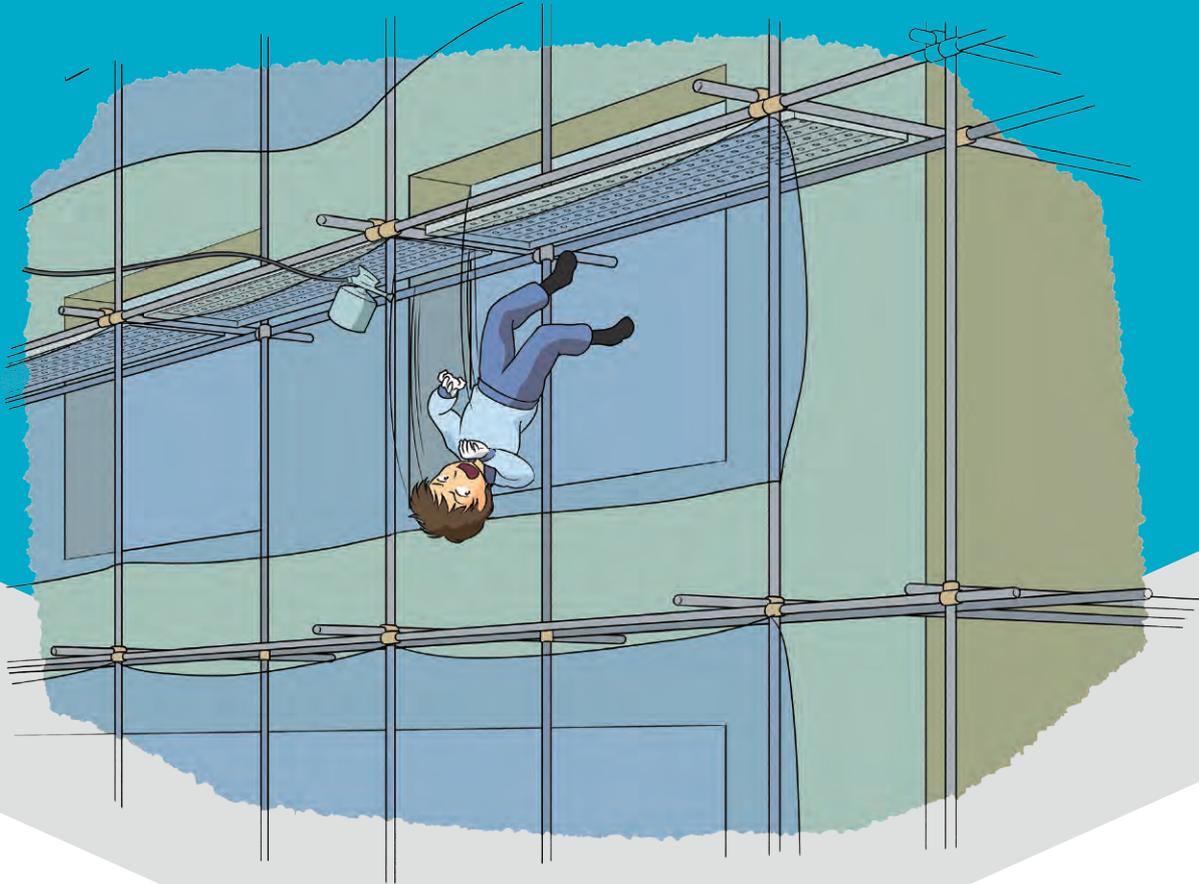




Case examples of serious accidents \_ Let's cut fatal industrial accidents by half!

## 외부 비계 위에서 방수작업 중 떨어짐 Fell while conducting flood protection work on external scaffolding



### Accident overview

While performing flood protection work using a spray gun on a work platform (5 layers) installed in external double scaffolding, a worker fell to the ground below (H = 9 m)

### Causes of accidents

- Inadequate installation of work platforms and safety handrails
  - > Non-installation of middle handrails; installation of upper handrails only
- Failed to wear individual protective gear such as safety helmets and safety harnesses

### Accident prevention measures

- Thorough installation of work platforms and safety handrails
  - > Install at least two levels to include upper handrails and middle handrails
- Provide and wear personal protective gear such as safety helmets and safety harnesses

### Reference statutes and standards

- Rules on Occupational Safety and Health Standards
  - Article 57 (Assembly, disassembly, and modification of scaffolding, etc.)
  - Article 32 (Provision of protective gear, etc.)



위험을 보는 것이 안전의 시작!  
Safety starts with identifying unsafe situations!

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Prevention of falling accidents  
Be sure to check!



Installation of work platforms



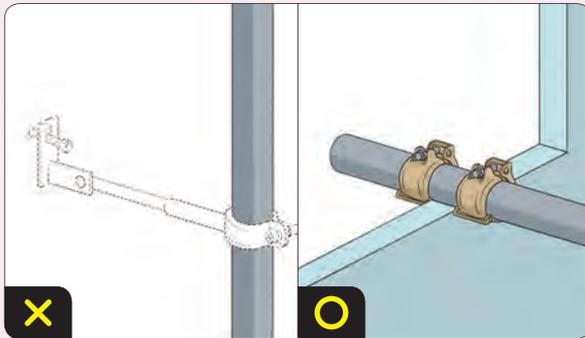
Installation of safety handrails



Wearing of safety helmet and safety harness

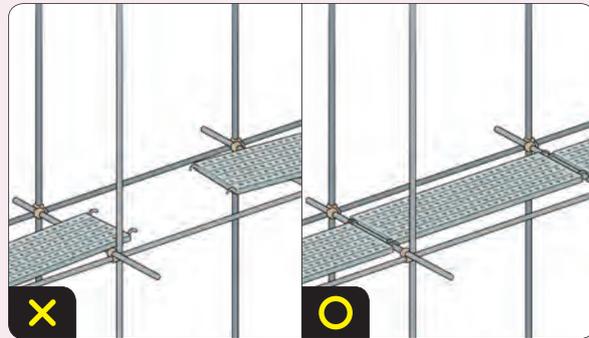
Safety management at a glance for scaffolding for finishing work

1 Danger of scaffolding collapse caused by excessive prior dismantling of wall ties



- ▶ Step-by-step dismantling of wall ties when performing work related to stone and outside insulation
- ▶ Construction of auxiliary wall ties using floor openings such as windows and doors

2 Danger of falling due to failure to install (or partial installation of) work platforms



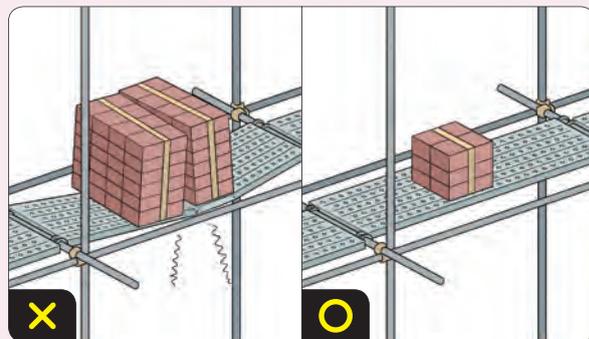
- ▶ Inspect the installation and state of work platforms in working sections
- ▶ Complete securing of work platforms to prevent them from overturning or falling

3 Danger of falling while moving due to failure to install passageways



- ▶ Install and maintain passageways on scaffolding

4 Danger of platform and scaffolding collapse due to overloading of work platforms



- ▶ Make sure the loading capacity does not exceed 400 kg among scaffolding pillars

5 Danger of falling due to failure to install safety handrails



- ▶ Installation of safety handrails at ends of work platforms
- ▶ Safety handrails are composed of upper handrails and middle handrails
- ▶ Each platform and handrail must be evenly spaced by 60 cm or less

