



# Technical Guidance for Prevention of Coronavirus Spread during Cinema Reopening

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The guidance will come in to effect from March 1st, 2020.

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This guidance is drafted in accordance with the National Standards of the People's Republic of China (GB/T 1.1 Guides for the Drafting of Standards) by:

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Translator's Note: This English version is translated by Dr Hiu Man Chan from the UK-China Film Collab with permission of the Shanghai Film Distribution and Exhibition Association.

# Introduction

January 24th 2020, in order to prevent further spread of COVID-19, the city of Shanghai launched the top-level emergency response to public health.

This guidance provides advice and requirements for cinemas when they re-open from their closure since that date.



The guidance applies to all members of the Shanghai Film Distribution and Exhibition Association's management. Cinemas based in Shanghai which are not members of the Association can also use it as a reference.

Translator's Note: The purpose of translating and sharing this guidance is to provide a reference for associations and cinemas around the world to support their planning and operation ahead. Mostly, this voluntary work is for solidarity.

## Scope

The guidance sets the standards for cinemas upon their reopening, including technical requirements to help prevent the spread of coronavirus.

The guidance is aimed at cinema sites and their staff. It covers content relating to disinfection and cleaning of public spaces, ticket selling and checking, ticketing equipment, cinema seats and other areas where audience may come into contact, as well as technical guidance for cinema equipment.

The guidance is suitable for any cinema with professional digital projection equipment, but also any indoor space that has an exhibition function.



The “reopening period” in this guidance refers to a period of three months.



## Prevention and Protection Requirements for Cinema Staff

All cinema staff and audiences must follow advice and have a temperature check before entering the building. This is currently standard practice for all buildings across the country. The temperature should not be greater than 37.3°C.

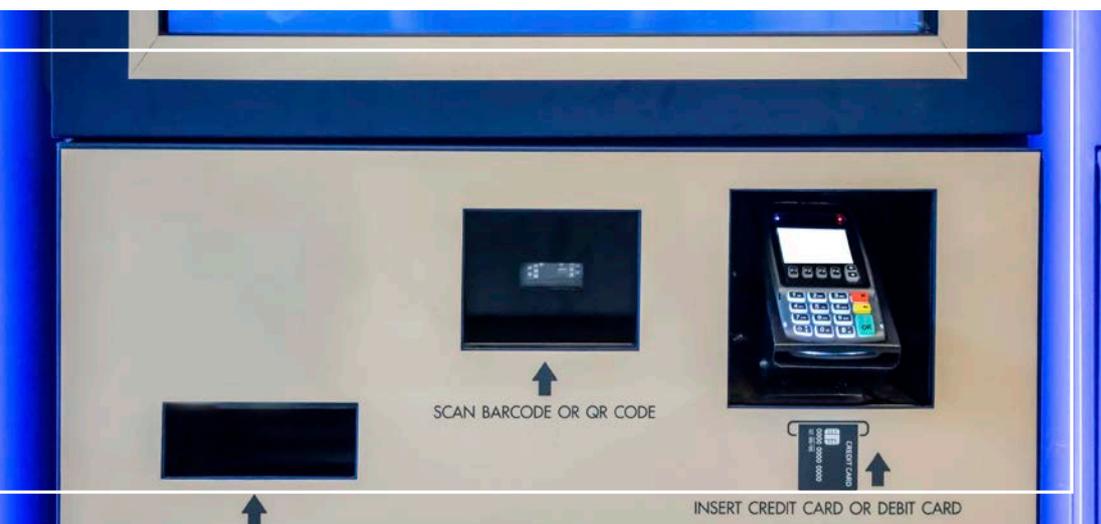


All cinema staff who may have direct contact with audience members must wear a mask and gloves.

## Disinfection Requirements for Public Spaces, Workspaces and Objects

Public spaces in a cinema include the foyer, auditorium, toilets, corridors and emergency exits. Air circulation needs to be intensified in public spaces and equipment should be cleaned at least twice a day. All toilets need to be well-stocked with hand-wash and necessary cleaning products.

Focus areas include those that the audience have direct contact with. These include ticketing machines, kiosks, snack machines, public seats, entrances, toilets and so on. These areas need to be cleaned at least five times daily.



Focus objects include those that the audience have direct contact with such as the handles of cinema seats, 3D glasses and so on. It is advised that these objects be cleaned after every screening. Cinemas should advise the audience to bring their own 3D glasses. All 3D glasses provided by the cinemas need to be cleaned properly after use with professional devices.

For the disinfection of public space and non-edible utensils and articles, it is advised to use the effective ingredient concentration of 100mg/L ~ 250mg/L. Contaminated public space sites and non-edible appliances and objects should be cleaned with spray or a wipe with a chlorine-containing disinfectant with a concentration of 500 mg/L.

Note:

The concentration of the original solution of 84 disinfection solution is 5%, that is, the effective chlorine content is 50000mg/L.

To prepare 1L of disinfectant with an effective chlorine content of 100mg/L, 2ml of original solution is needed, and 998ml of water is needed. To prepare 1L of disinfectant with an effective chlorine content of 250mg/L, 5ml of original solution is needed, and 995ml of water is needed. To prepare 1L of disinfectant with an effective chlorine content of 500mg/L, 10ml of original solution is needed, and 990ml of water is needed.

Snack machines should be wiped with a 75% alcohol disinfectant.

## Snacks

Before opening, cinemas should check and clean all popcorn, drink and coffee machines, as well as dispose of any out-of-date stock.



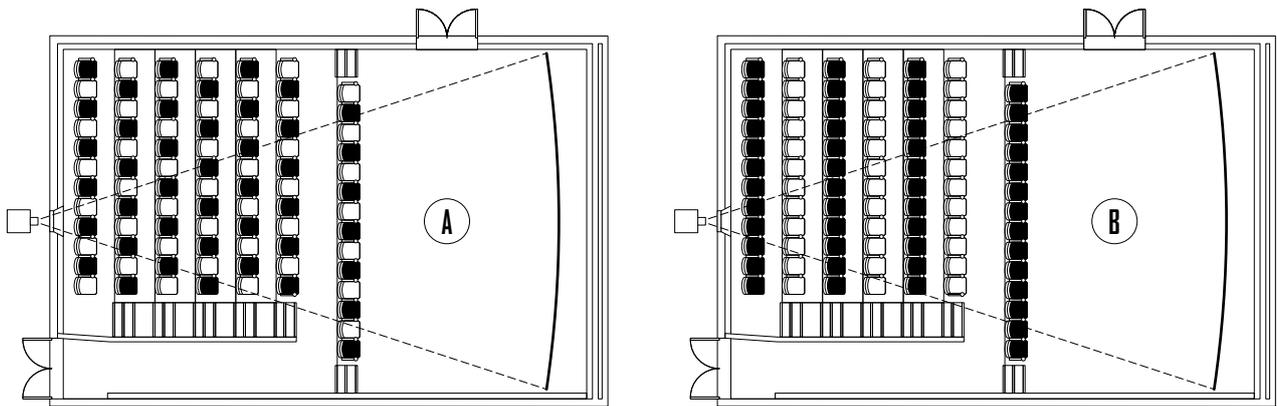
## Air Conditioners

Before opening, cinemas need to clean and disinfect the whole air conditioning system. This will also maximise air circulation.

## Ticketing

In order to allow sufficient time for cleaning, the gap between two films should be longer than usual and certainly no less than 20 minutes.

We advise cinemas to sell tickets according to the two recommendations below, in order to create appropriate social distance.



## Public Education on Virus Prevention

All cinemas should produce materials on virus prevention as public education. We also recommend playing a special campaign video before the start of a film.

## Waste

Epidemic waste need to be disposed of sensibly, ideally in a specific spot and regularly.

## Projection Room and Equipment Inspection

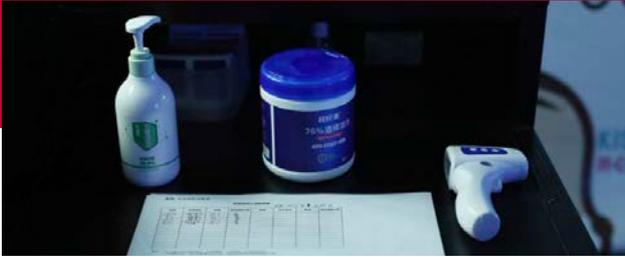
During the cinema closure, all power needs to be disconnected. All equipment should be covered to prevent dust and moisture. During closure, the projection equipment and uninterruptible power supply should be turned on once a week and the time for each switch-on should be 3-4 hours.

When a cinema reopens, the ambient temperature of the projection room should be controlled at 10°C ~ 25°C, and the humidity (non-condensing) should be controlled at 5% ~ 75%.



Before starting the projection light source, the projectionist needs to check the use of xenon lamps (cathode and anode loss, gas leakage, etc.) and the laser cooling system.

The brightness for a 2D screen should be  $48 \pm 10.2$  cd/m<sup>2</sup>; the brightness for a 3D screen should be  $24 \pm 6.9$  cd/m<sup>2</sup>.



Photos of cinemas in Shanghai preparing for their reopening, provided by Shanghai Film Distribution and Exhibition Association and its members.