



**THE EMERGENCY  
PLANNING SOCIETY**

**JBA**  
consulting

# Property Flood Resilience

## What's It All About?

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# Property Flood Resilience (PFR)

- WHAT is it?
- WHY do it?
- WHEN is it appropriate?
- WHERE can it be done?
- HOW?



# WHAT is PFR?



*“includes measures that reduce the risk to people and property, enabling households and businesses to reduce the damage caused by floods and speed up recovery and reoccupation”*





# WHAT is PFR?

- Resistance measures: ***KEEP IT OUT!***
  - Physical barrier between flood water and the building or services
  - Flood barriers, flood doors, flood gates, non-return valves, self-closing airbricks, sump-pumps, portable pumps....
- Resilient adaptation (recoverability): ***LET IT IN, AND RECOVER***
  - Adapting the internal property to limit damage if water does enter
  - Allowing the clean-up and repair process to occur quickly, improving the recovery process

# WHAT is PFR?







# WHAT is PFR?

- More than just products!
- Being prepared:
  - Having a plan: trigger, storage, maintenance, deployment
  - Understanding the plan



plan



# WHY do PFR?



## **Increases In:**

Standard of Flood Protection  
Insurance Options  
Peace of Mind  
Property Value  
Scheme Cost



# WHY do PFR?



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# WHEN is it appropriate?

- Must consider all other options, including NFM
- Wider defence scheme not technically or financially viable
- County / district wide
- Smaller number of properties at risk in a community
- Post-flood





# WHERE can it be done?

## Considerations:

- Listed buildings / conservation area
- Depth and duration
- Construction
- Ingress routes
- .....

## Assessment of:

- Person
- Property
- Flood risk





# HOW?

- Environment Agency PFR Framework
  - Lot 1 – independent flood risk assessors / surveyors
  - Lot 2 – product supply and installation
- Standards:
  - Code of Practice
  - BS Standards
  - Householder guidance
  - Certification and accreditation
  - Training for organisations
  - Flood certificates



# BeFloodReady



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